SHARP SERVICE MANUAL

CODE: 00ZPC5751SM-E

LAP-TOP
PERSONAL COMPUTER

MODEL PC-5751

CPU : 80386SX (20MHz) **Display : VGA**
HDD : 120 MB HDD **LCD : 640 x 480**
RAM : 2 MByte (Standard)

(INCLUDE PC-5741 SUPPLIMENT)

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PARTS GUIDE

PLEASE REFER THE PC-5741 SERVICE MANUAL (00ZPC5741SM-E) FOR MORE DETAIL.

SHARP CORPORATION

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CHAPTER 1. OVERVIEW

The PC-5751 is a laptop personal computer which uses a 20MHz 80386SX and a 120MB hard disk drive, which has a different features from the 40MB hard disk type.

1) Use of a 120MB hard disk drive ... CP30104 (Conner)
2) Use of a new version memory controller chip (MCU) features a 0 wait state under the 20MHz operation of the 80386SX.

This service manual consists of the following chapters.

Chapter 2 Specification of 120MB hard disk unit (CP30104)

Chapter 3 Loopback connector for diagnostics

Chapter 4 Difference between PC-5741 and PC-5751

4-1 Difference in component parts
4-2 Revision version of main PWB unit

Chapter 5 Main PWB circuit diagram

It also must be noted that a new Revision main PWB has been used for the PC-5741. (See Chapter 4-2.) Basic difference of the PC-5741 from the PC-5751 is a hard disk capacity, and the same main PWB can be used for both machines. Since the new Revision MCU had been used in the PC-5741 from a middle of production and from the first lot in the PC-5751, you may not use the old version main PWB of the PC-5741. Refer to Chapter 4-2 for more information.

Block Diagram

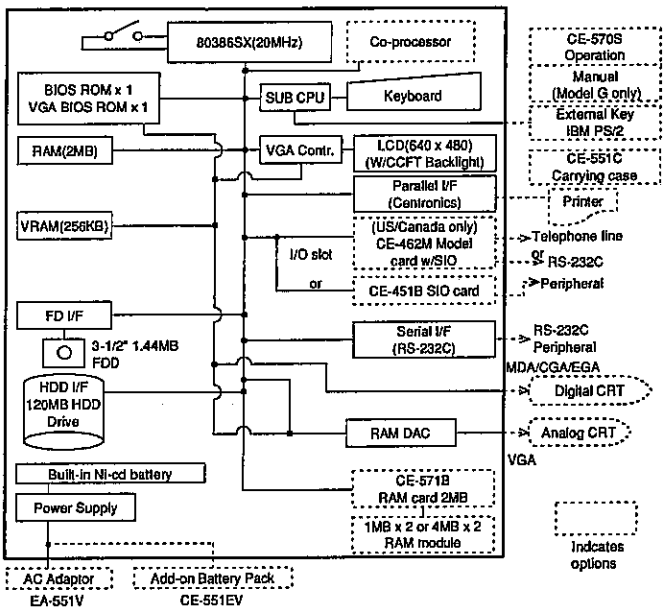


Fig.2-2 System block diagram

Special Service Tools

No	Part code	Price rank	Tool name
1	UK0G-1054ACZZ	BB	Extension cable for CN2 40P to HDD
2	UK0G-1055ACZZ	AV	Extension cable for CN3 34P to FDD
3	DKiT-1007ACZZ	—	Extension cable kit for CN4 25P to Key
4	UK0G-1057ACZZ	BK	Extension cable for CN9 20P to LCD
5	UK0G-1058ACZZ	AV	Extension cable for CN12 8P to P/S(Power)
6	UK0G-1059ACZZ	AV	Extension cable for CN13 12P to P/S(Signal)
7	UK0G-1060ACZZ	BB	Extension cable for CN14 34P to Mode
8	UK0G-1061ACZZ	AV	Extension cable for inverter 2P P/S to CCFT inverter
9	UK0G-1062ACZZ	AQ	Extension cable for 3P P/S to HD
10	UK0G-1063ACZZ	AQ	Extension cable for FD P/S to FD
11	UK0GC3056CSZZ	BF	Service-man diagnostics media (3.5" 2HD)

Reference Manuals

PC-5741 Service manual : 00ZPC5741SM-E

Floppy disk drive (MD-3621) : 00ZMD3621SM-E

Add-on battery Pack (CE-551EV) : 00ZCE551EVSME

Serial I/O Card (CE-451B) : 00ZPC4501/A-E

CHAPTER 2. SPECIFICATION OF 120MB HDD UNIT (CP30104)

2-1 Main Features

- Low power requirements enabling battery operation in portable environments.
- High performance rotary voice coil actuator with embedded servo system.
- Two of seven run length limited code.
- High shock resistance.
- Sealed HDA.
- Automatic actuator latch against inner stop upon power down.
- Microprocessor-contoured diagnostic routines that are automatically executed at start-up.
- Automatic error correction and retries.
- 512 byte block size.
- Emulates Task File with support additional commands.
- Up to two drives may be daisy-chained on the AT interface.

2-2 Specifications

1) Capacity : 121.7 Mbyte formatted

2) Physical configurations

Actuator type	Rotary voice-coil
Number of disks	2
Data surfaces	4
Data heads	4
Servo	Embedded
Tracks per surfaces	1524
Track density	1850 TPI
Track capacity	Formatted : 19968 Byte
Byte per block	512
Block per drive	237744
Sectors per track	39

2-3 Performance

Seek Times*1	Track to Track: 8.0 ms Average: <19.0 ms*2 Maximum: 35.0 ms
Average Latency	8.8 ms
Rotation Speed (±0.1%)	3400 RPM
Controller Overhead	1.0 ms
Data Transfer Rate (To/From Media)	1.50 MByte/second
Data Transfer Rate (To/From Buffer)	4.50 MByte/second
Start Time (Power Up)*3	
(0 RPM – Ready)	Typical: 15 seconds Maximum: 20 seconds
Stop Time (Power Down)	Typical: 15 seconds Maximum: 20 seconds
Start/Stop Cycles	20,000 minimum
Interleave	1:1
Buffer Size	64K

*1 The timing is measured through the interface with the drive operating at nominal DC input voltages. The timing also assumes that:

- BIOS and PC system hardware dependency have been subtracted from timing measurements.
- The drive is operated using its native drive parameters.

*2 The average seek time is determined by averaging the seek time for a minimum of 1000 seeks of random length over the surface of the disk.

*3 These numbers assume spin recovery is not invoked. If spin recovery is invoked, the maximum time could be up to 40 seconds. Briefly removing power can lead to spin recovery being invoked.

2-4 Read/Write

Interface	Task File (AT)
Recording Method	2 of 7 RLL code
Recording Density (ID)	35,600 bits per inch
Flux Density (ID)	23,733 flux reversals per inch

2-5 Power Requirements (Typical)

	+12V DC ± 5%	+5V DC ± 5%	POWER
Read/Write Mode	200 ma	280 ma	3.8 W
Seek Mode	260 ma	150 ma	3.9 W
Idle Mode	175 ma	150 ma	2.8 W
Standby Mode	10 ma	75 ma	0.5 W
Sleep Mode	10 ma	75 ma	0.5 W
Spin-Up Mode	1100 ma (7 seconds)	380 ma (3 seconds)	n/a

Read/Write Mode occurs when data is being read from or written to the disk.

Seek Mode occurs while the actuator is in motion.

Idle Mode occurs when the drive is not reading, writing, or seeking. The motor is up to speed and DRIVE READY condition exists. Actuator is residing on last accessed track.

Standby Mode occurs when the motor is stopped, actuator parked and all electronics except interface control is in sleep state. STANDBY MODE will occur after a programmable time-out after the last host access occurs. Drive ready and seek complete status exist. The drive will leave STANDBY MODE upon receipt of a command which requires disk access or upon receipt of a spin up command.

Sleep Mode occurs when the host issues the SLEEP command to the drive. SLEEP MODE is the same as STANDBY MODE except that interface control is also powered down. To exit the SLEEP MODE, the Host Reset line on the interface must be asserted. The SRST bit in the Digital Output Register is useful for this purpose.

Maximum noise allowed (DC to 1 MHz, with equivalent resistive load):

Source	+12V DC	+5V DC
Noise	1%	2%

Spin up Mode current draw is for 7 seconds maximum.

2-6 Environmental Characteristics

Temperature

Operating	5°C to 55°C
Non-operating	–40°C to 60°C
Thermal Gradient	20°C per hour maximum

Humidity

Operating	8% to 80% non-condensing
Non-operating	8% to 80% non-condensing
Maximum Wet Bulb	26°C

Altitude (relative to sea level)

Operating	–200 to 10,000 feet
Non-operating (maximum)	40,000 feet

2-7 Reliability and Maintenance

MTBF	50,000 hours (POH)*1
MTTR	10 minutes typical
Preventive Maintenance	None
Component Design Life	5 years
Data Reliability	<1 non-recoverable error in 10^{12} bits read

*1 population is minimum of 100 units

2-8 Shock and Vibration

Shock	1/2 sine pulse, 11 msecond duration
Vibration	Swept sine, 1 octave per minute
Non-operating shock	75 G's
Non-operating vibration	
5-62 Hz	.020" double amplitude
63-400 Hz	4 G's (peak)
Operating Shock	5 G's (without non-recoverable errors)
Operating Vibration	
5-22 Hz	.025" double amplitude
23-500 Hz	.5 G's (without non-recoverable errors)

2-9 Magnetic Field

The disk drive will meet its specified performance while operating in the presence of an externally produced magnetic field under the following conditions:

Frequency	Field Intensity
0 to 700KHz	6 gauss maximum
700Khz to 1.5 MHz	1 gauss maximum

2-10 Acoustic Noise

The sound pressure level will not exceed 40 dBA at a distance of 1 meter from the drive.

2-11 Functional Description

The CP30104 contains all necessary mechanical and electronic parts to interpret control signals, position the recording heads over the desired track, read and write data, and provide a contaminant free environment for the heads and disks.

1) Read/Write and Control Electronics

One integrated circuit is mounted within the sealed enclosure in close proximity to the read/write heads. Its function is to provide read preamplification and write data circuitry. The read/write heads are supported by a mechanism coupled to the voice coil actuator.

The single circuit card provides the remaining microprocessor-controlled electronic functions, which include:

- Read/Write Circuitry
- Rotary Actuator Control
- Interface Control
- Spin Speed Control
- Dynamic Braking
- Power Management

At power down or the start of STANDBY MODE the heads are automatically retracted to the inner diameter of the disk and are latched and parked on a landing zone that is off the data tracks.

2) Drive Mechanism

A brushless DC direct drive motor rotates the spindle. The motor/spindle assembly is balanced to provide minimal mechanical runout to the disks and to reduce vibration of the HDA. A dynamic brake is used to provide a fast stop to the spindle motor when power is removed, or upon initiation of STANDBY MODE.

3) Air Filtration System

The head-disk assembly is a sealed enclosure with an integral 0.3 micron filter which maintains a clean environment for the heads and disks.

4) Head Positioning Mechanism

The four read/write heads are supported by a mechanism coupled to the voice coil actuator in the CP30104. Two heads are removed and a counter balancing weight is substituted in the CP30064.

5) Read/Write Heads and Disks

Data are recorded on two 95mm diameter disks through four miniature thin film heads. The configuration is one disk and two heads for the CP30064.

6) Error Correction

The drive performs internal error correction. The error correction polynomial is capable of correcting one error burst with a maximum of 8 bits in each half of a 512 byte block.

7) Customer Options

The drive has one set of jumpers labeled C/D, DSP, E1.

C/D - Jumpered addresses drive as drive C.
Not jumpered addressed drive as drive D.

DSP - Drive slave present.
Not jumpered selects single drive only.

E1 - Not used.

2-12 Electrical Interface

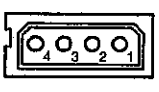
1) Power Connectors

The CP30104 has a 4 pin DC power connector mounted on the PCB. The recommended mating connector is AMP part number 1-480424-0 utilizing AMP pins, part number 350078-4 or equivalent. DC power may also be supplied to the drive in some interfaces through a 3 pin connector. The recommended mating connector is Molex part number 39-01-0033 utilizing Molex pins, part number 39-00-0031 or equivalent.

2) Power Connector Pin Description

J3

1 +12V
2 GND
3 GND
4 +5V



J5

1 +5V
2 +12V
3 GND

(Used for PC-5751)

3) Task File Interface Connector

A 40 pin Task File Interface connector mounted on the printed circuit board. The recommended mating connector is Molex part number 10-91-2401 or equivalent. Two drives may be daisy chained together at this connector, and the maximum cable length is two feet.

2-13 Electrical Description

1) Signal Levels

All signal levels are TTL compatible. A logic "1" is > 2.0 Volts. A logic "0" is from 0.00 Volts to .70 Volts. The drive capability of each of the inbound signals is described below.

2) Signal Conventions

The interface between the drive adapter and the drive is called the Host Interface. The set of registers in the I/O space of the Host is known as the Task File. All signals on the Host Interface shall have the prefix HOST. All negatively active signals shall be further prefix HOST. All negatively active signals shall be further prefixed with a "-" designation. All positive active signals shall be prefixed with a "+" designation. Signals whose source are the Host, are said to be "outbound" and those whose source is the drive, are said to be "inbound".

3) Pin Descriptions

The following table describes all of the pins on the Task File Interface.

PIN	SIGNAL	PIN	SIGNAL
01	–HOST RESET	02	GND
03	+HOST DATA 7	04	+HOST DATA 8
05	+HOST DATA 6	06	+HOST DATA 9
07	+HOST DATA 5	08	+HOST DATA 10
09	+HOST DATA 4	10	+HOST DATA 11
11	+HOST DATA 3	12	+HOST DATA 12
13	+HOST DATA 2	14	+HOST DATA 13
15	+HOST DATA 1	16	+HOST DATA 14
17	+HOST DATA 0	18	+HOST DATA 15
19	GND	20	KEY
21	RESERVED	22	GND
23	–HOST IOW	24	GND
25	–HOST IOR	26	GND
27	RESERVED	28	+HOST ALE
29	RESERVED	30	GND
31	+HOST IRQ14	32	–HOST IO16
33	+HOST ADDR 1	34	–HOST PDIAG
35	+HOST ADDR 0	36	+HOST ADDR 2
37	–HOST CS0	38	–HOST CS1
39	–HOST ACTIVE/SPINDLE SYNC	40	GND

Signal Name	Dir	Pin	Description
- HOST RESET	O	01	Reset signal from the Host system which is active low during power up and inactive thereafter.
GND	O	02	Ground between the drive and the Host.
+HOST DATA	I/O	03-18	16-bit bi-directional data bus 0-16 between the Host and the drive. The lower 8 bits, HD0 - HD7, are used for register and ECC access. All 16 bits are used for data transfers. These are tri-state lines with 24 mA drive capability.
GND	O	19	Ground between the drive and the Host.
KEY	N/C	20	An unused pin clipped on the drive and plugged on the cable. Used to guarantee correct orientation of the cable.
RESERVED	O	21	

Signal Name	Dir	Pin	Description
GND	O	22	Ground between the drive and the Host.
- HOST IOW	O	23	Write strobe, the rising edge of which clocks data from the Host data bus, HD0 through HD15, into a register or the data register of the drive.
GND	O	24	Ground between the drive and the Host.
- HOST IOR	O	25	Read strobe which, when low, enables data from a register or the data register of the drive onto the Host data bus HD0 through HD15. The rising edge of - HOST IOR latches data from the drive at the Host.
GND	O	26	Ground between the drive and the Host.
RESERVED	O	27,29	
+HOST ALE	O	28	Host Address Latch Enable. A signal used to quality the address lines. This signal is presently not used by the drive.
GND	O	30	Ground between drive and the Host.
+HOST IRQ14	I	31	Interrupt to the Host system, enabled only when the drive is selected, and the Host activates the -IEN bit in the Digital Output register. When the -IEN bit is inactive, or the drive is not selected, this output is in a high impedance state, regardless of the state of the IRQ bit. The interrupt is set when the IRQ bit is set by the drive CPU. IRQ is reset to zero by a Host read of the Status register or a write to the command register. This signal is a tri-state line with 8 mA drive capacity.
- HOST IO16	I	32	Indication to the Host system that the 16 bit data register has been addressed and that the drive is prepared to send or receive a 16 bit data word. This line is a tri-state line with 24 mA drive capacity.
- HOST PDIAG	I	34	Passed diagnostic. Output by the drive if it is strapped in the slave mode (C/D not jumpered). Input to the drive if it is strapped in the master mode (C/D jumpered). This low true signal indicates to a master that the slave has passed its internal diagnostic command. This line is a tri-state line with 24 mA drive capability.
+HOST A0, A1, A2	O	35,33, 36	Bit binary coded address used to select the individual registers in the task file.
- HOST CS0	O	37	Chip select decoded from the Host address bus. Used to select some of the Host accessible registers.
- HOST CS1	O	38	Chip select decoded from the Host address bus. Used to select three of the registers in the Task File.
- HOST SLV/ACT	I	39	Signal from the drive used either to drive an active LED whenever the disk is being accessed or as an indication of a second drive present. (See the Customer Options section for further information.) When jumpered as -ACTIVE, this signal is active low when the drive is busy and has a drive capability of 20 mA. When jumpered as -SLAVE PRESENT signal, it is an indication of the presence of a second drive when low. In this state, it has a drive capability of 10 mA open drain.
GND	O	40	Ground between the drive and the Host.

2-14 Timing Requirements

Symbol	Parameter	Min	Max	Units
T1	HA0-2, -HCS0-1 valid to -HI016 Low	0	20	ns
T2	HA0-2, -HCS0-1 valid to -HIOR, -HIOW Low	25		ns
T3	-HIOR, -HIOW pulse width	80		ns
T4	-HIOR, -HIOW High to HA0-2, -HCS0-1 invalid	10		ns
T5	-HIOR Low to HDO-15 valid (Read)		60	ns
T6	-HIOR High to HDO-15 invalid (Write)	0	20	ns
T7	HDO-15 valid to -HIOW High (Write)	40		ns
T8	-HIOW High to HDO-15 invalid (Write)	10		ns
T9	-HIOR, -HIOW period	444		ns
T10	-HOST RESET/SOFTWARE RESET	3.0		µs

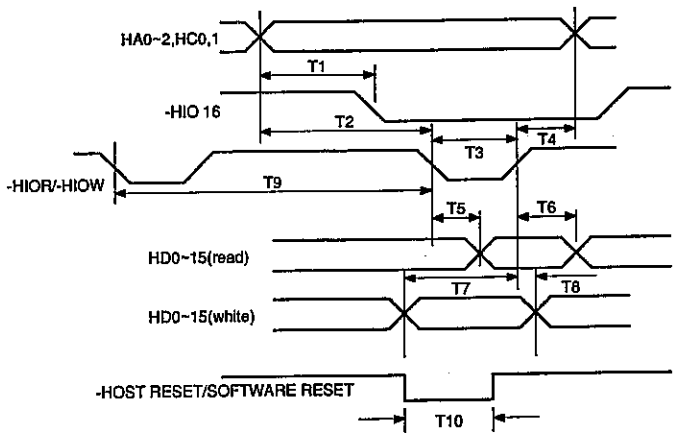


Figure 3. AT Timig Diagram

CHAPTER 3. LOOPBACK CONNECTOR FOR DIAGNOSTICS

The serial and parallel communication tests in the diagnostics program offer optional loopback tests that expect loopback connectors to be placed on the output ports of the computer. Tables 3-1 and 3-2, respectively, lists the serial and parallel loopback connectors pin assignments.

Table 3-1 Serial Loopback Connector Pin Assignments

Pin Numbers	Signals
1-7-8	CD-RTS-CTS
2-3	TX-RX
4-6-9	DTR-DSR-RI

Table 3-2 Parallel Loopback Connector Pin Assignments

Pin Numbers	Signals
15-2	D0-ERR
13-1	STRB-SLCT
16-10	INIT-ACK
17-11	SLCTIN-BUSY
14-12	AUTOFEED-PE

NOTE: The SIO loopback connector (0DYL. B. CONNCT) for the PC-5541 cannot be used with the PC-5741 and PC-5751. It must be checked in the above connection.

CHAPTER 4 DIFFERENCE BETWEEN PC-5741 AND PC-5751

4-1 Difference in Component Parts

See Table 4-1 for difference in the component parts between the PC-5741 and the PC-5751.

4-4-1 Manual

Old parts were described in the manual for use with the PC-5741 and new parts were described for use with the PC-5751. New parts can be used for both models. New parts have been used since December, 1990, for the PC-5741.

4-1-2 System BIOS ROM

The following are updated in the new BIOS ROM (P/N 0ll2560924002) from the old BIOS ROM (P/N 0ll2560924001).

1) For the DRAM page mode is supported for the new version MCU, the 20MHz 0 wait state is enabled. Because the old version MCU is automatically recognized from the new version MCU, the operation can be achieved successfully for either version.
2) Since the hard disk type is automatically recognized by the new version BIOS ROM, the hard disk type number is automatically set for the default setting of the setup program.
3) To permit shared use with the PC-5751, the model name in the message is changed from PC-5741 to PC-5700.
4) The shape of the block cursor is changed and improvement is made to get rid of a garbage that occurs when the display mode is changed.

Therefore, the new BIOS ROM can be used with the PC-5751 and even with the PC-5741.

4-1-3 Main PWB unit

The main PWB unit of the PC-5751 is the same as that of the PC-5741 whose parts number is DUNTK2543CTZZ. Its revision number is H for the new BIOS ROM (0ll2560924002) combined with the new MCU (0ll2548403005).

Description will be given later in this manual for the PWB version.

4-2. New version of main PWB unit

The revision number at the start of the first production lot was E, then modified from F, G, and H as shown in Table 4-2.

4-2-1 Changes from revision E to revision F

For enhancement of EMI, changes are made to the capacitors and resistors. The test pin (P-16) has been removed.

4-2-2 Changes from revision F to revision G

Since ATU (U32) was changed in the revision F to the revision G which is a shrink version, change is made to the ATLATCH circuit with a new jumper (JP5).

See Fig.4-1 for a difference in the marking of ATU between the revision F and the revision G.

4-2-3 Changes from revision G to revision H

MCU (U17) was revised from the revision C to the revision D to meet the page mode, the BIOS ROM (U39) was also updated.

See Fig.4-2 for difference in the marking of MCU between the revision C to the revision D.

<REV-F>	<REV-G>
TACT83443FPP	TACT83443GPP

Fig. 4.1 ATU Marking

<REV-C>	<REV-D>
TACT83442CPJ	TACT83442DPJ

Fig. 4.2 MCU Marking

4-2-4 Servicing of the PC-5751

To use the service parts in the PWB unit from the revision E to the revision G, it will be necessary to updated MCU and BIOS ROM to use in the PC-5751.

Table 4-1 Comparison between PC-5741 and PC-5751

Description	<PC5741>	<PC5751>
POP LABEL	TLABM1554ACZZ	TLABM1586ACZZ
OPE. MANUAL (U)	TINSE1599ACZZ *1 TINSE1622ACZZ	TINSE1622ACZZ
SERVICE INFO. PACK (U)	CCADZ1087AC01 *1 CCADZ1087AC02	CCADZ1087AC02
OPE. MANUAL (Y)	TINSE1600ACZZ *1 TINSE1623ACZZ	TINSE1623ACZZ
OPE. MANUAL (H,Q)	TINSE1601ACZZ *1 TINSE1624ACZZ	TINSE1624ACZZ
PACKING CASE	0II2560825003	0II2560825004
MASTER PACKING CASE	0II2560826003	0II2560826004
RATING LABEL	0II2560813002	0II2560813006
HDD UNIT	DUNTK2281ACZZ (40MB, CP3044)	0II2560807004 (120MB, CP30104)
SYSTEM BIOS ROM	0II2560924001 no-page mode RAM access for PC-5741 only	0II2560924002 no-page/page access PC-5751/5741 support
MAIN PWB UNIT ASSY. REVISION BIOS ROM MCU	DUNTK2543CTZZ REV.E-G 0II2560924001 0II2548403002 (REV.C)	DUNTK2543CTZZ REV.H 0II2560924002 0II2548403005 (REV.D)

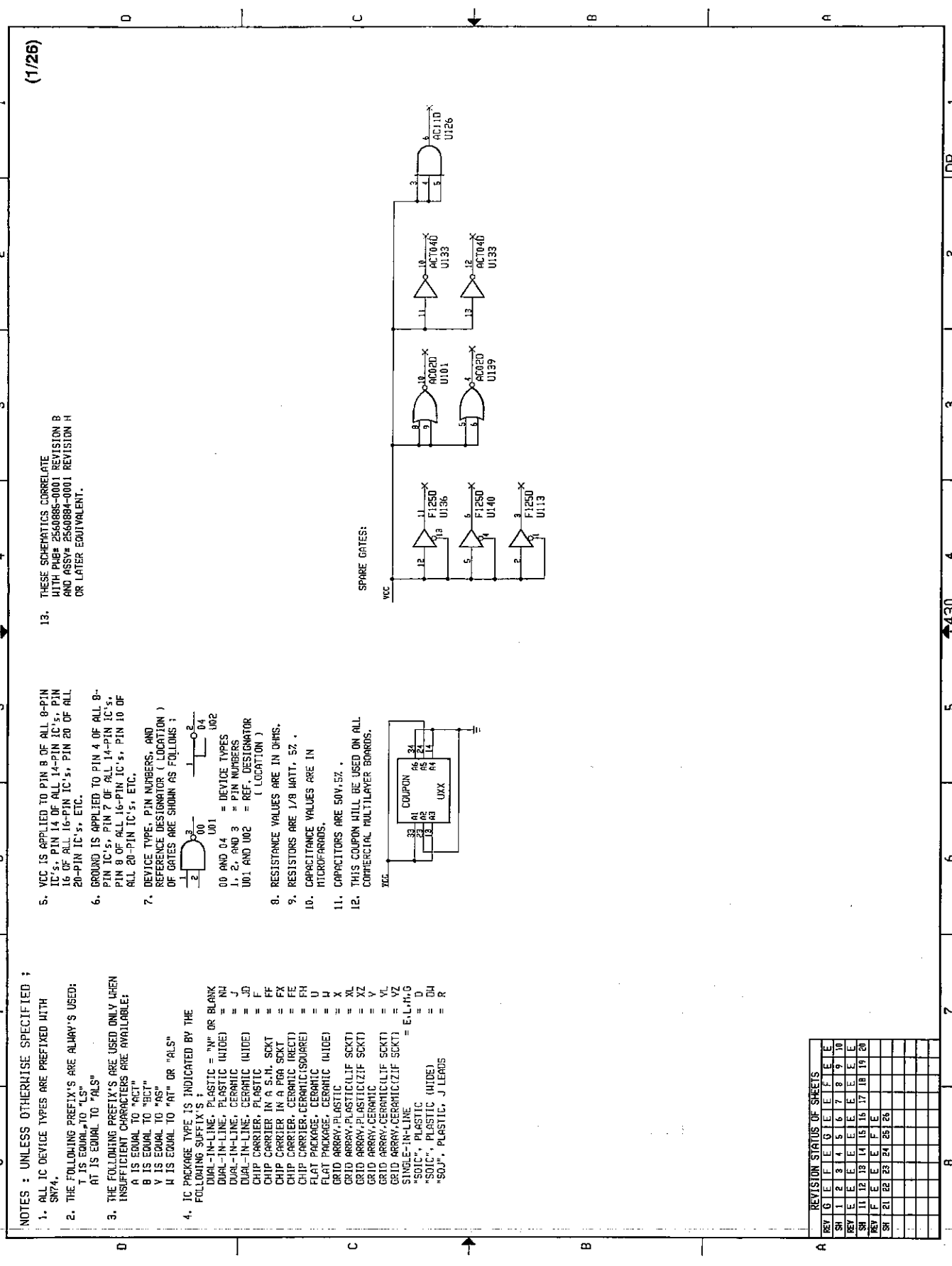
(note) *1 : Change the common parts from Dec. production

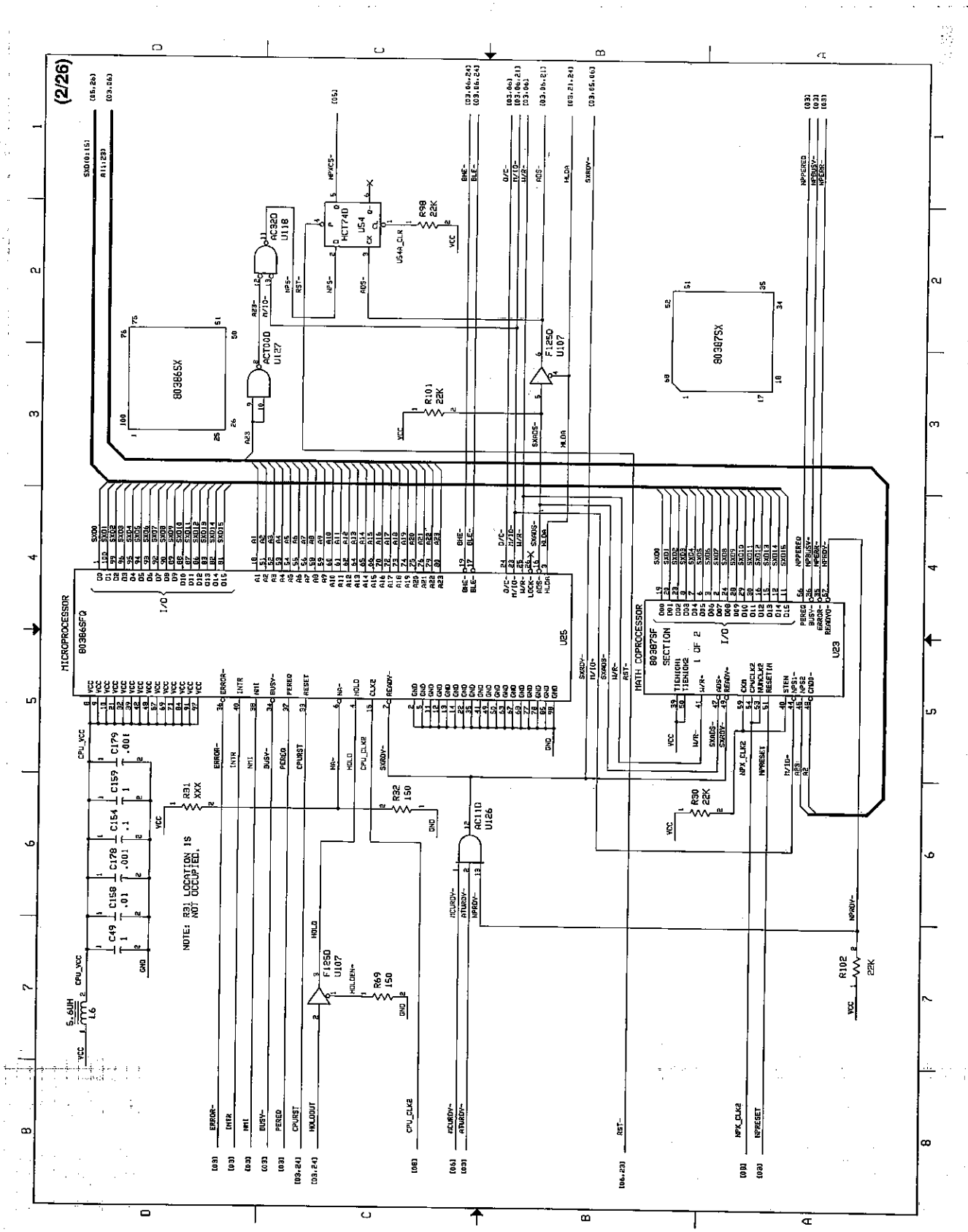
Table 4-2 CHANGE OF COMPONENT AND REWORK

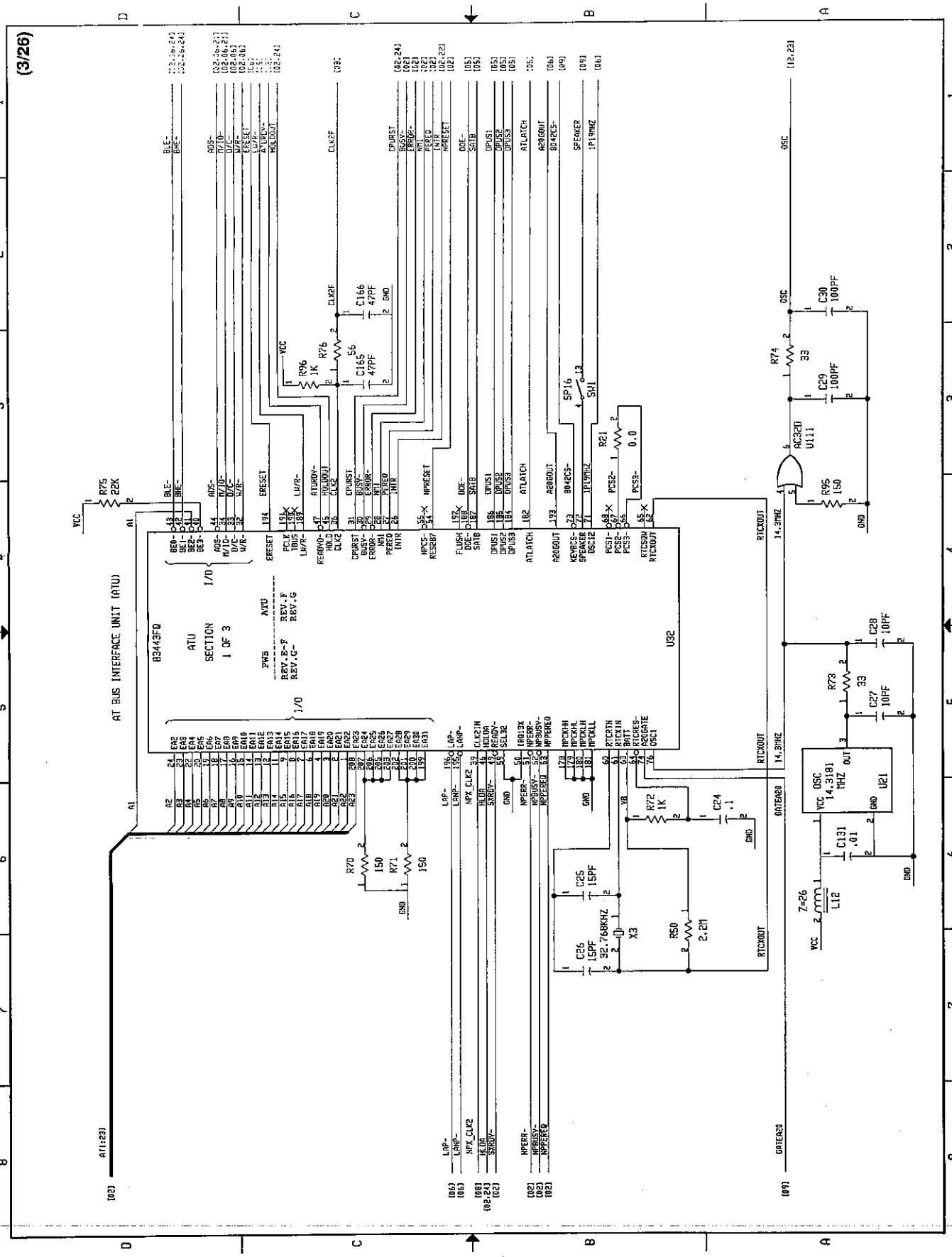
<<REVISION OF PWB>>

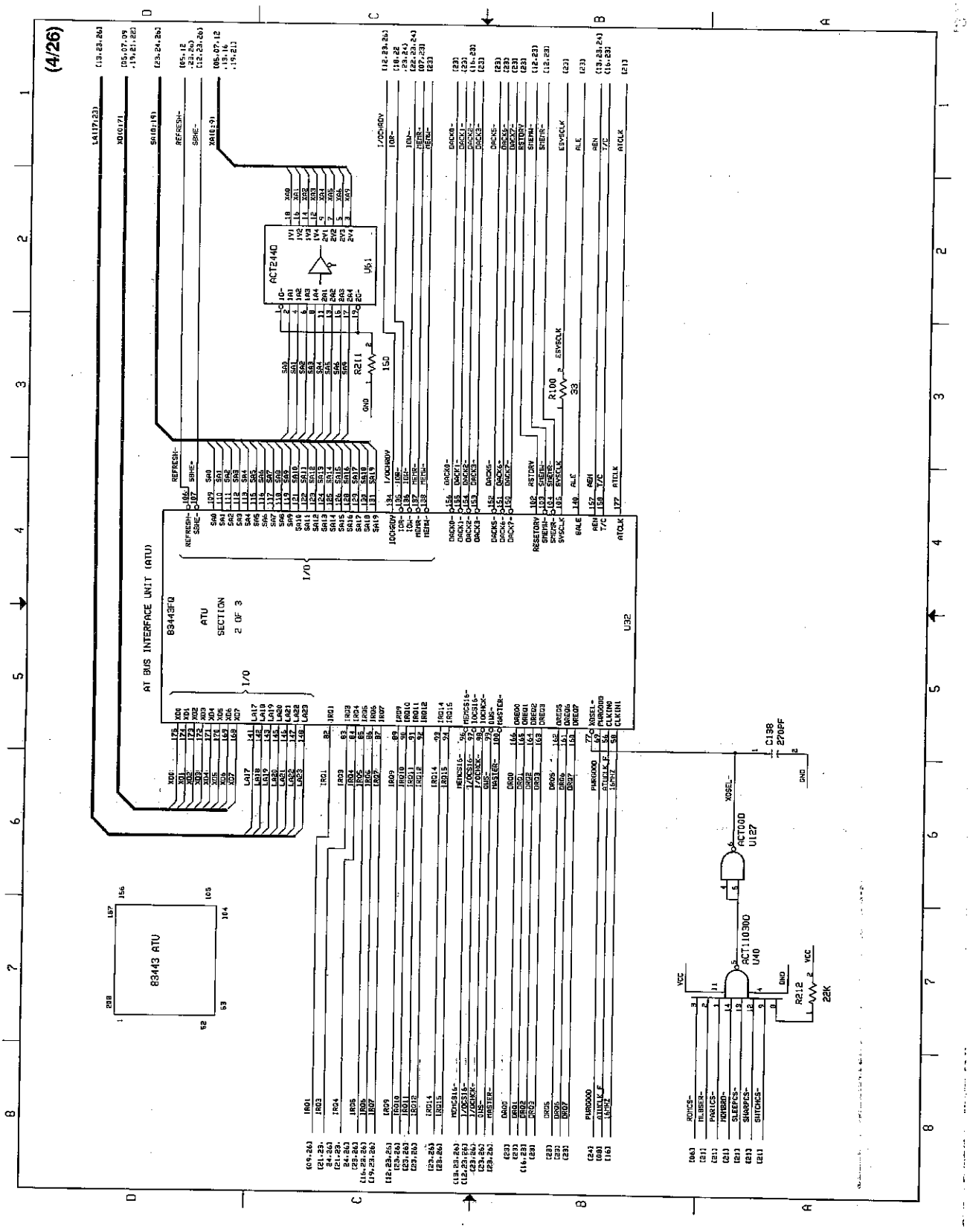
ITEM	REV-E	REV F	REV-G	REV-H
C31	47 pF	←	←	←
C33	47 pF	none	←	←
C34	10K ohm	none	←	←
C155	100 pF	←	←	←
C156	100 pF	←	←	←
C157	100 pF	←	←	←
C160	100 pF	←	←	←
C161	100 pF	←	←	←
C163	100 pF	←	←	←
C165	100 pF	47 pF	←	←
C167	22 pF	10 pF	←	←
C169	22 pF	10 pF	←	←
C171	47 pF	10 pF	←	←
C173	47 pF	10 pF	←	←
C177	100 pF	←	←	←
C181	100 pF	←	←	←
L11	JUMPER(JP4)	←	←	←
R90	33 ohm	47 ohm	←	←
R91	22 ohm	47 ohm	←	←
R92	33 ohm	47 ohm	←	←
R93	33 ohm	47 ohm	←	←
TEST PIN(P16)	Cutting Pins or eliminate	Eliminate	←	←
INSULATORS BETWEEN CONNECTOR ANGL. AND PWB	7 pcs.	←	←	←
JUMPER FOR "ATLATCH" (JP5)	None	←	Lift PIN-8 of U100 JMP U100-PIN4 = U100-PAD8	
ATU LSI (U32)	REV-F (0II2548403003)	←	REV-G (0II2548403004)	←
MCU LSI (U17)	REV-C (0II2548403002) non-page mode	←	←	REV-D (0II2548403005) page mode

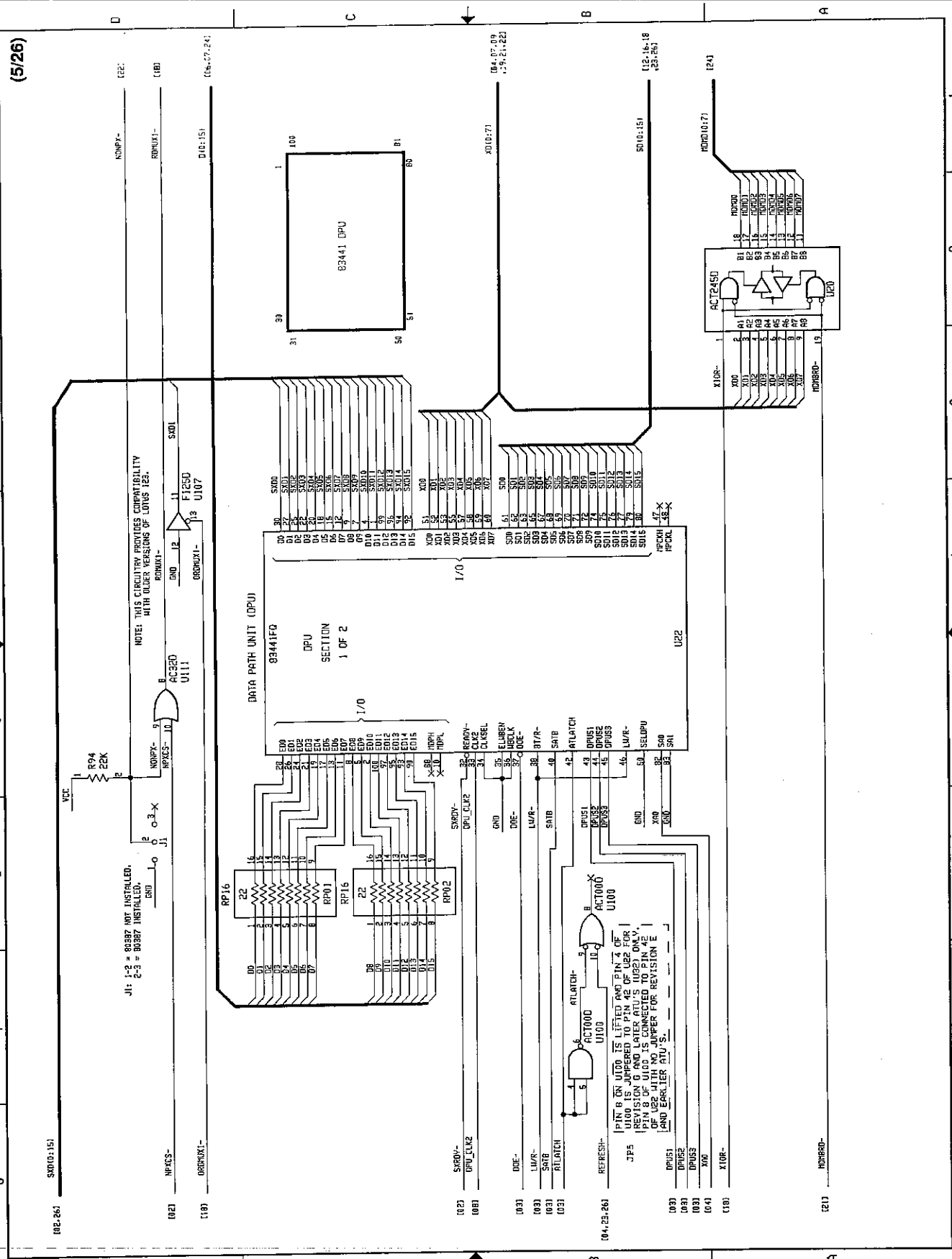
CHAPTER 5. MAIN BOARD CIRCUIT DIAGRAM

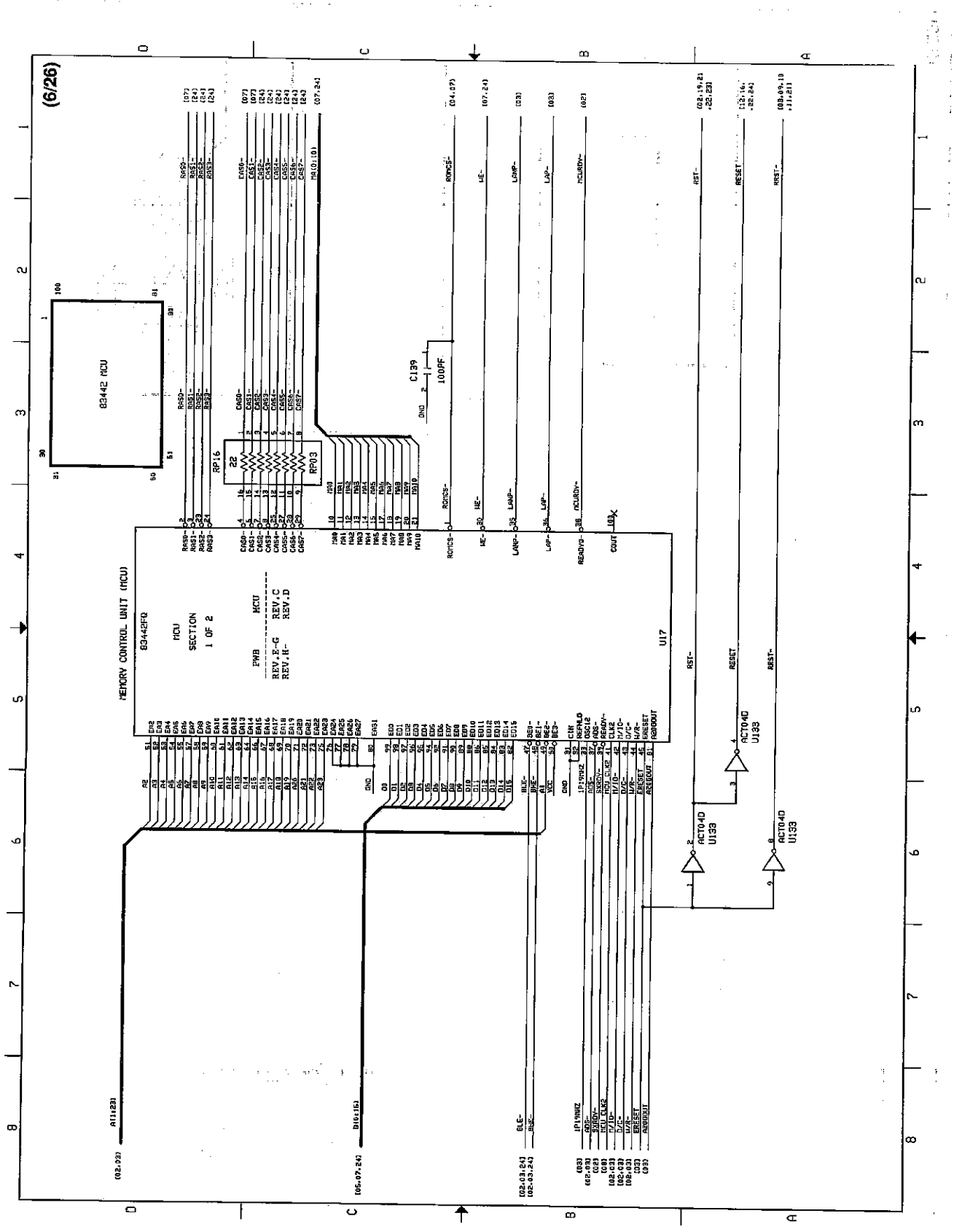

(1/26)
NOTES : UNLESS OTHERWISE SPECIFIED ;
1. ALL IC DEVICE TYPES ARE PREFIXED WITH SN74.
2. THE FOLLOWING PREFIX'S ARE ALWAY'S USED:
T IS EQUAL TO "LS"
AT IS EQUAL TO "ALS"
3. THE FOLLOWING PREFIX'S ARE USED ONLY WHEN INSUFFICIENT CHARACTERS ARE AVAILABLE;
A IS EQUAL TO "ACT"
B IS EQUAL TO "BCT"
S IS EQUAL TO "AS"
M IS EQUAL TO "AT" OR "ALS"
4. IC PACKAGE TYPE IS INDICATED BY THE FOLLOWING SUFFIX'S ;
DUAL-IN-LINE, PLASTIC = "N" OR BLANK
DUAL-IN-LINE, PLASTIC (WIDE) = NW
DUAL-IN-LINE, CERAMIC = J
DUAL-IN-LINE, CERAMIC (WIDE) = JD
CHIP CARRIER, PLASTIC = F
CHIP CARRIER IN A S.M. SCKT = FF
CHIP CARRIER IN A PGA SCKT = FX
CHIP CARRIER, CERAMIC (RECT) = FE
CHIP CARRIER,CERAMIC(SQUARE) = FH
FLAT PACKAGE, CERAMIC = U
FLAT PACKAGE, CERAMIC (WIDE) = W
GRID ARRAY,PLASTIC = X
GRID ARRAY,PLASTIC(LIF SCKT) = XL
GRID ARRAY,PLASTIC(ZIF SCKT) = XZ
GRID ARRAY,CERAMIC = Y
GRID ARRAY,CERAMIC(LIF SCKT) = YL
GRID ARRAY,CERAMIC(ZIF SCKT) = YZ
SINGLE-IN-LINE = E,L,M,G
"SOIC", PLASTIC = D
"SOIC", PLASTIC (WIDE) = DW
"SOJ", PLASTIC, J LEADS = R
5. VCC IS APPLIED TO PIN 8 OF ALL 8-PIN IC's, PIN 14 OF ALL 14-PIN IC's, PIN 16 OF ALL 16-PIN IC's, PIN 20 OF ALL 20-PIN IC's, ETC.
6. GROUND IS APPLIED TO PIN 4 OF ALL 8-PIN IC's, PIN 7 OF ALL 14-PIN IC's, PIN 8 OF ALL 16-PIN IC's, PIN 10 OF ALL 20-PIN IC's, ETC.
7. DEVICE TYPE, PIN NUMBERS, AND REFERENCE DESIGNATOR (LOCATION) OF GATES ARE SHOWN AS FOLLOWS :
U01
00 AND 04 = DEVICE TYPES
1, 2, AND 3 = PIN NUMBERS
U01 AND U02 = REF. DESIGNATOR (LOCATION)
8. RESISTANCE VALUES ARE IN OHMS.
9. RESISTORS ARE 1/8 WATT, 5% .
10. CAPACITANCE VALUES ARE IN MICROFARADS.
11. CAPACITORS ARE 50V,5% .
12. THIS COUPON WILL BE USED ON ALL COMMERCIAL MULTILAYER BOARDS.
COUPON
UXX
13. THESE SCHEMATICS CORRELATE WITH PWB# 2560885-0001 REVISION B AND ASSY# 2560884-0001 REVISION H OR LATER EQUIVALENT.
SPARE GATES:
VCC
F1250 U136
F1250 U140
F1250 U113
AC020 U101
AC020 U139
ACT040 U133
ACT040 U133
AC110 U126
REVISION STATUS OF SHEETS
DB
430

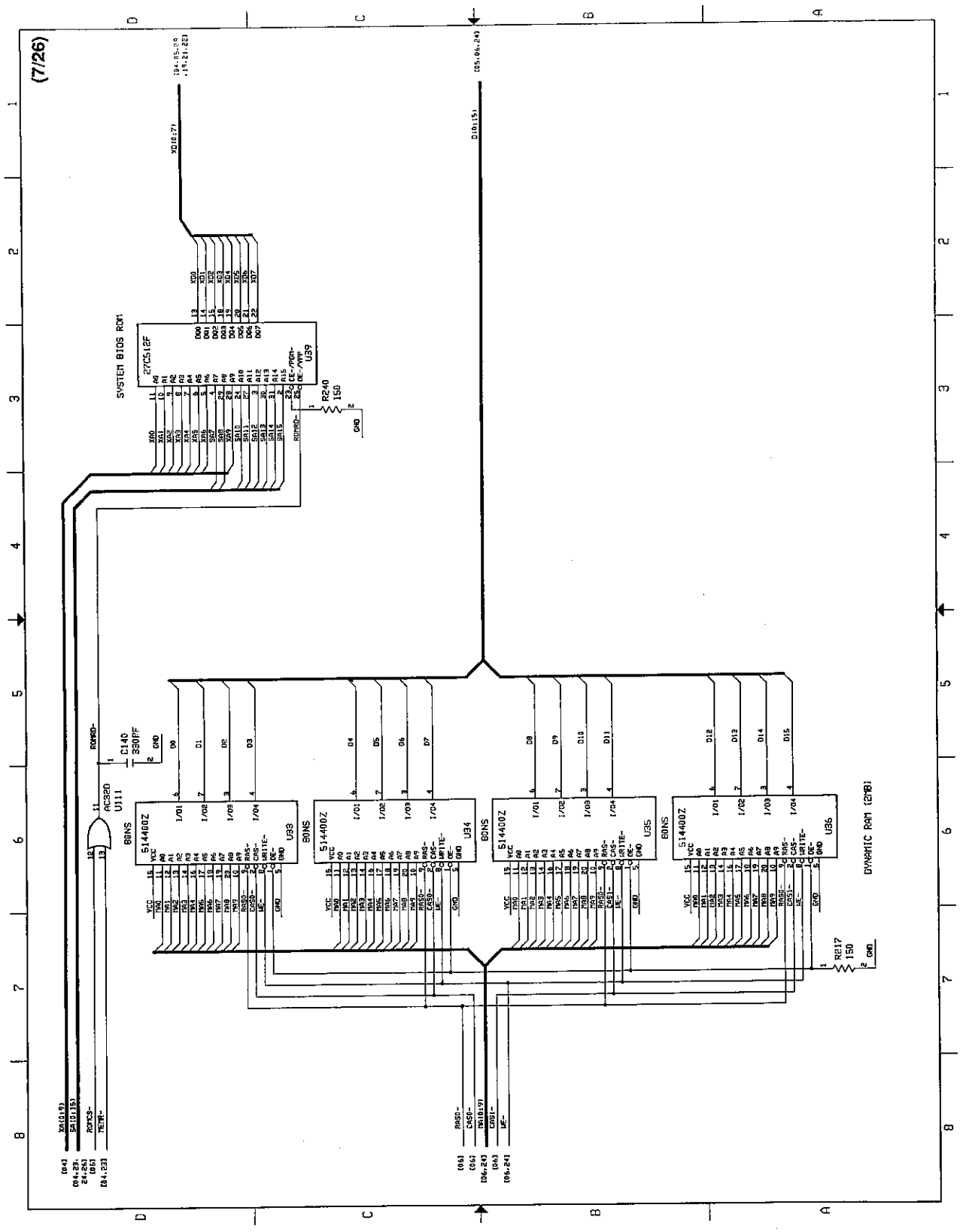

(2/26)
MICROPROCESSOR
80386SP
80386SX
80387SX
MATH COPROCESSOR
80387SF
SECTION 1 OF 2
U25
U23
U118
U127
U126
U107
U54
NOTE: R31 LOCATION IS NOT OCCUPIED.
CPU_VCC
CPU_CLK2
NPX_CLK2
NPRESET
HOLDOUT
HOLDEN
ERROR-
INTR
NMI
BUSY-
PEREQ
CPURST
RESET
HOLD
CLK2
READY-
SYSRDY-
LOCK-
BHE-
BLE-
D/C-
M/IO-
W/R-
ADS-
HLDA
NPRDY-
NPBUSY-
NPERR-
NPPEREQ
R31 XXX
R32 150
R69 150
R30 22K
R102 22K
R101 22K
R98 22K
C49 1
C158 .01
C178 .001
C154 .1
C159 1
C179 .001
L6 5.6UH

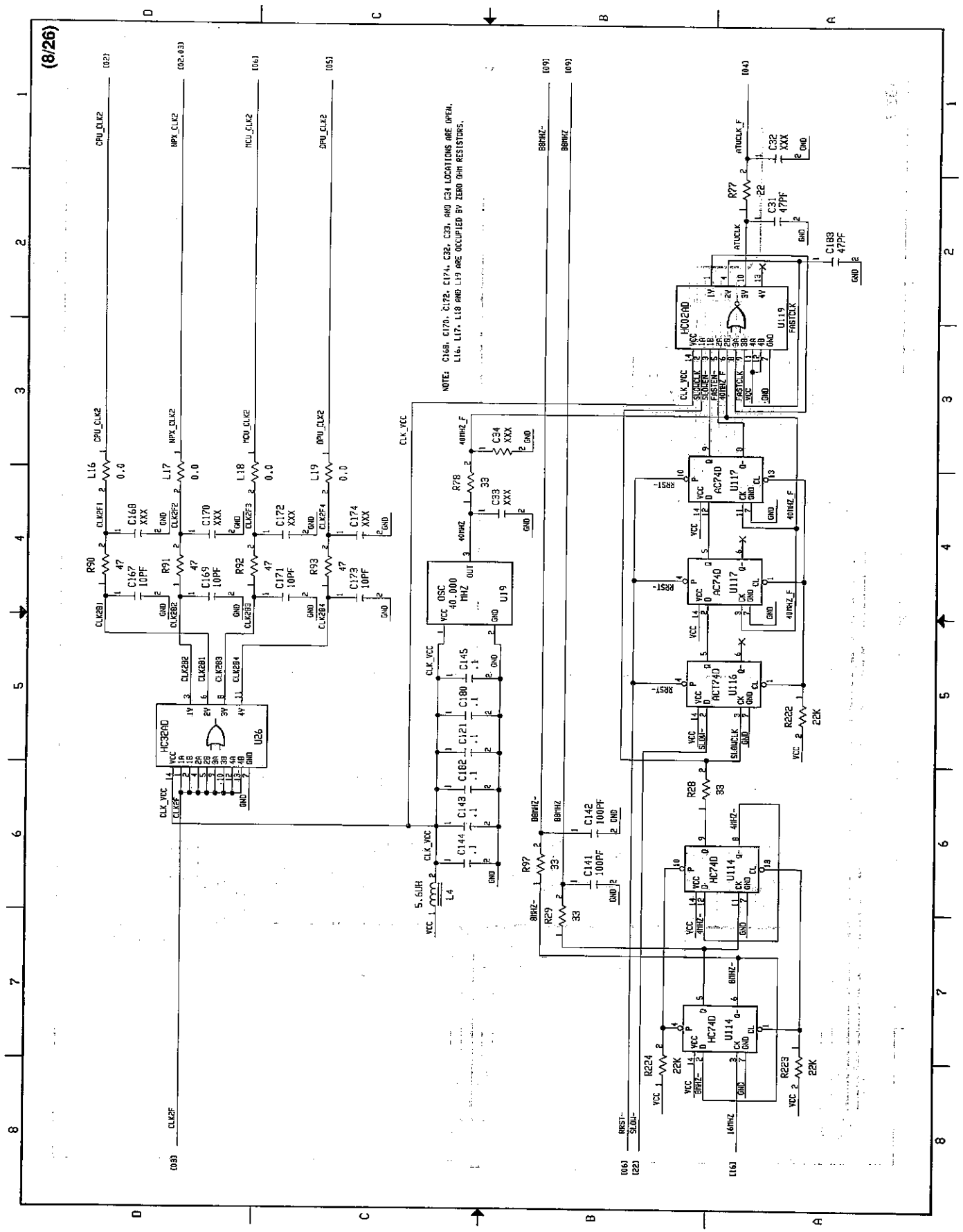

(3/26)
AT BUS INTERFACE UNIT (ATU)
B3443FD
ATU
SECTION
1 OF 3
I/O
2PWB
REV.B-F
REV.G-
A1U
REV.F
REV.G
U32
R75 22K
R76 56
R96 1K
C165 47PF
C166 47PF
R70 150
R71 150
R72 1K
C24 .1
C25 15PF
C26 15PF
X3 32.768KHZ
R50 2.2M
C131 .01
L12
Z=26
OSC 14.3181 MHZ
U21
R73 33
C27 10PF
C28 10PF
R74 33
C29 100PF
C30 100PF
AC32D
U111
R95 150
R21 0.0
SW1
SP16
14.3MHZ
RTCXOUT
GATEA20
OSC
VCC
GND

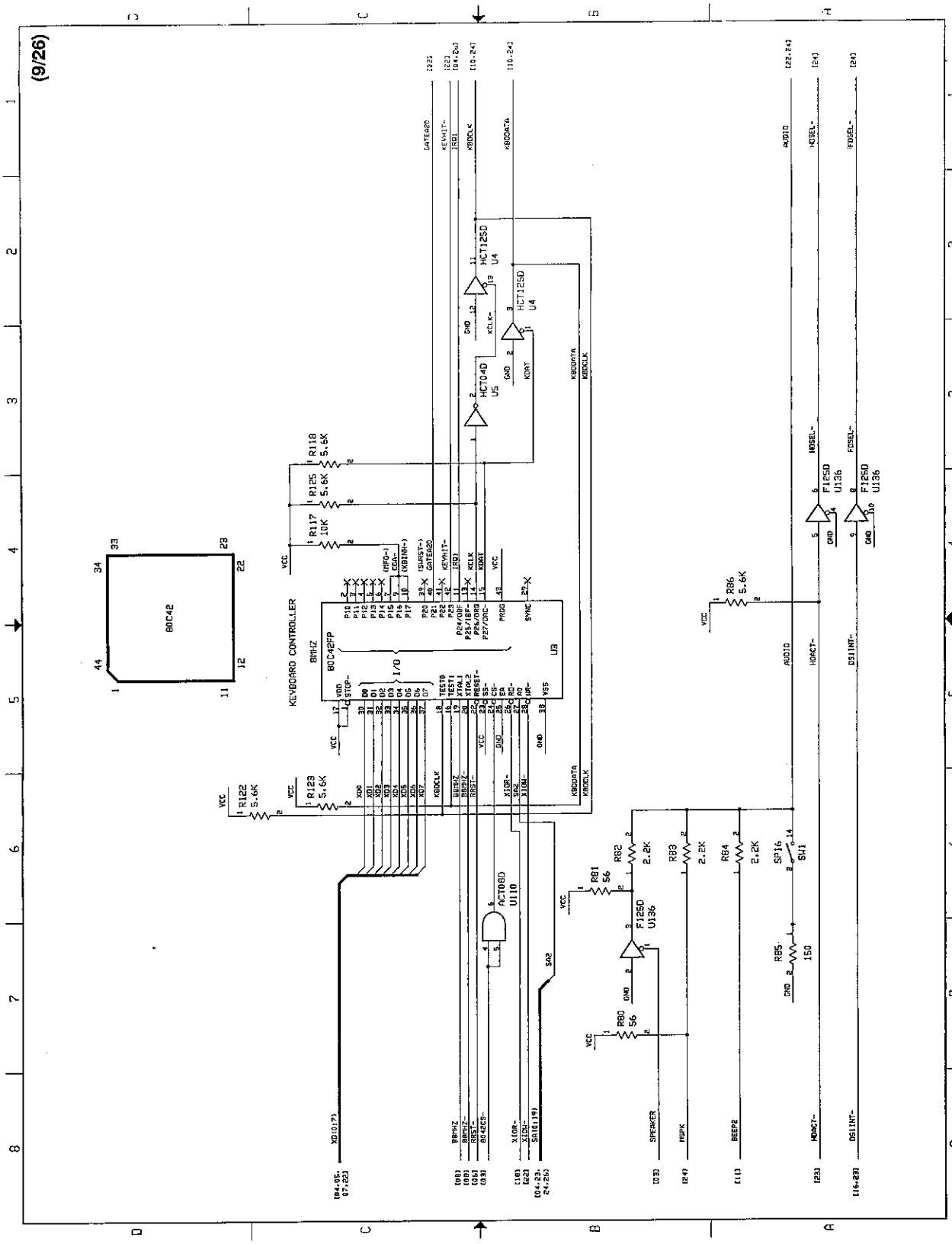

(4/26)
AT BUS INTERFACE UNIT (ATU)
83443FQ
ATU
SECTION
2 OF 3
I/O
U32
83443 ATU
ACT2440
U61
R211
150
R100
33
R212
22K
ACT00D
U127
ACT11030D
U40
C138
270PF
VCC
GND

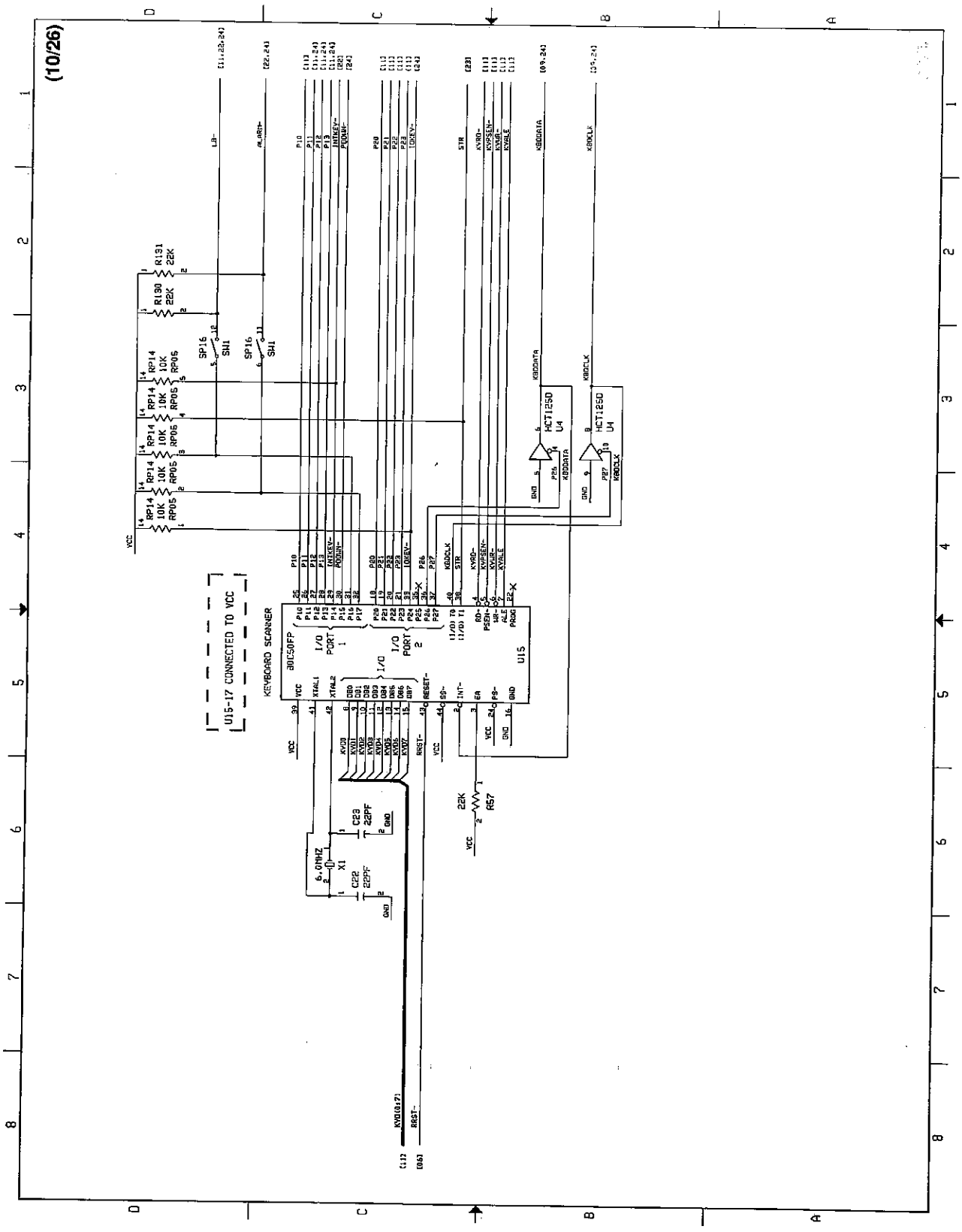

(5/26)
DATA PATH UNIT (DPU)
83441FQ
DPU
SECTION
1 OF 2
83441 DPU
U22
I/O
NOTE: THIS CIRCUITRY PROVIDES COMPATIBILITY WITH OLDER VERSIONS OF LOTUS 123.
J1: 1-2 = 80387 NOT INSTALLED.
2-3 = 80387 INSTALLED.
R94
22K
RP16
RP01
RP02
AC32D
U111
F1250
U107
ACT00D
U100
ACT245
U20
JP5
PIN 8 ON U100 IS LIFTED AND PIN 4 OF U100 IS JUMPERED TO PIN 42 OF U22 FOR REVISION G AND LATER ATU'S (U22) ONLY. PIN 8 OF U100 IS CONNECTED TO PIN 42 OF U22 IN THE AND EARLIER ATU'S. JUMPER FOR REVISION E

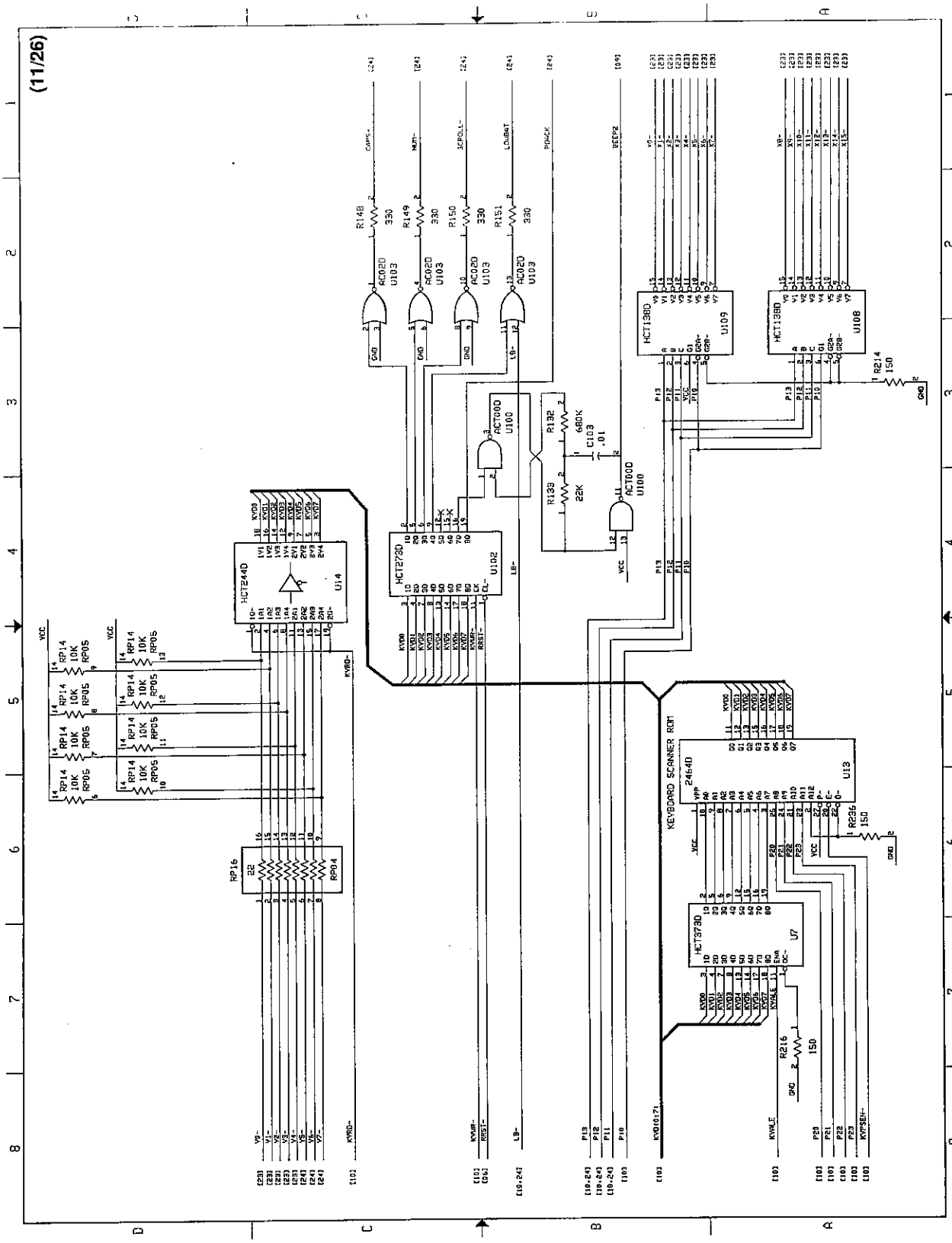

(6/26)
MEMORY CONTROL UNIT (MCU)
83442FQ
MCU
SECTION
1 OF 2
PWB MCU
REV.E-G REV.C
REV.H- REV.D
83442 MCU
RP16
22
RP03
C139
100PF
U17
ACT04D
U139
U133
RST-
RESET
REFHLD
REFREQ
ADS-
SYNOV-
MCU CLK2
M/IO-
D/C-
W/R-
ERESET
AGUOUT
RDNCS-
ME-
LANP-
LAP-
NCURDY-
COUT
READY-
A(1:23)
D(0:15)
BLE-
BHE-
BE1-
BE0-
CIN
IP1MHZ

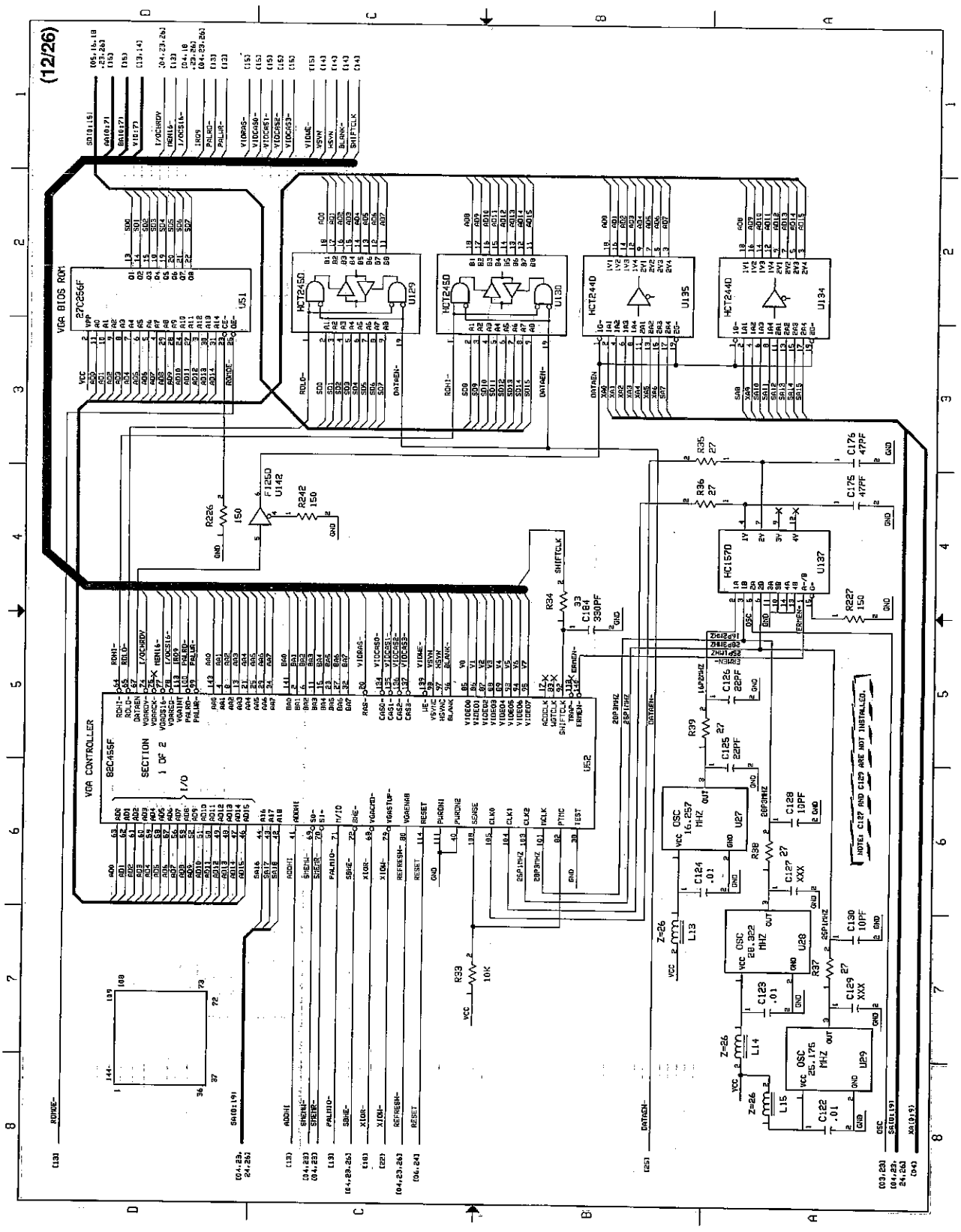

(7/26)
SYSTEM BIOS ROM
27C512F
U39
R240
150
C140
330PF
AC32D
U111
DYNAMIC RAM (2MB)
514400Z
U33
U34
U35
U36
R217
150
RASO-
CASO-
WE-

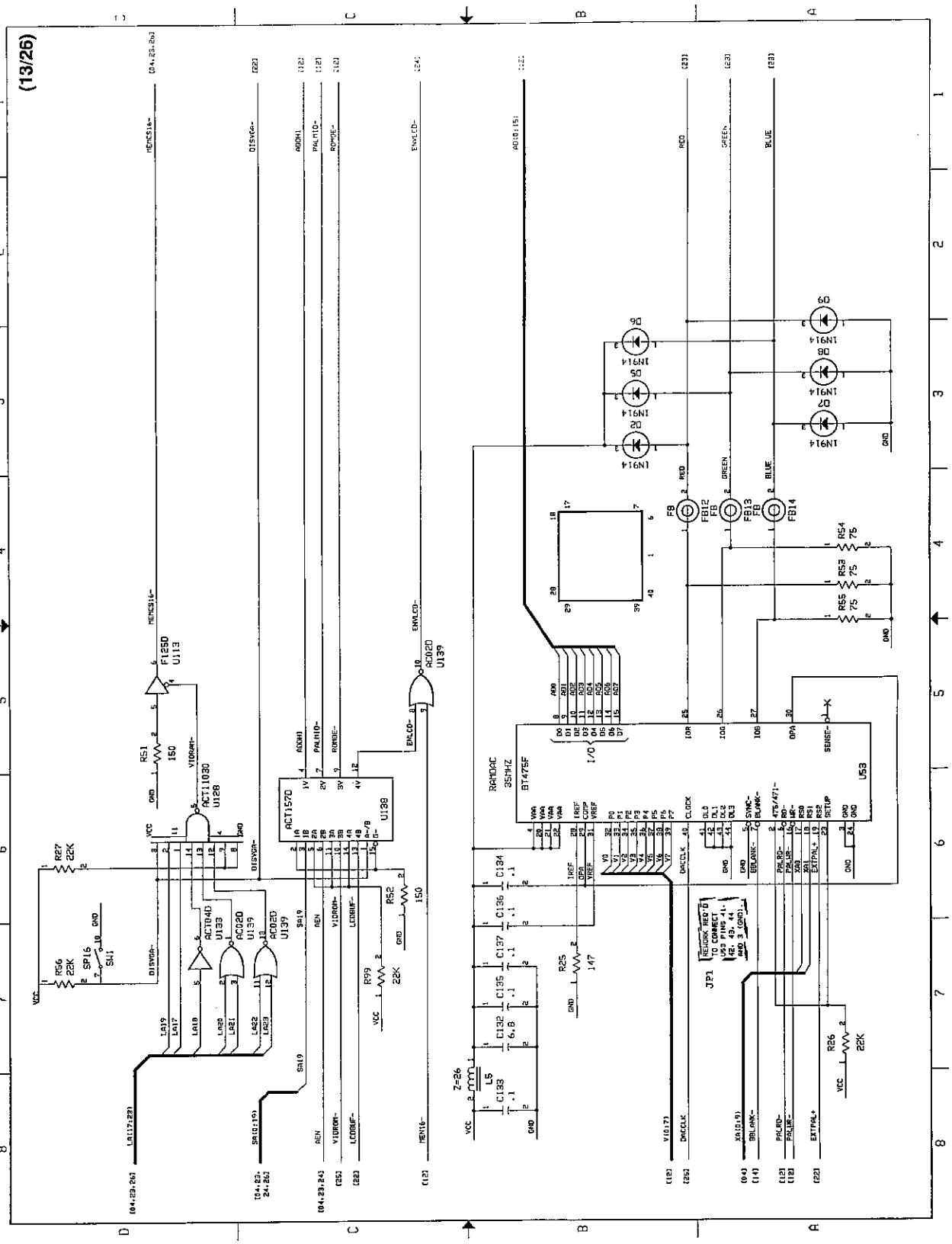

(8/26)
NOTE: C168, C170, C172, C174, C32, C33, AND C34 LOCATIONS ARE OPEN.
L16, L17, L18 AND L19 ARE OCCUPIED BY ZERO OHM RESISTORS.
CPU_CLK2
NPX_CLK2
MCU_CLK2
DPU_CLK2
CLK_VCC
HC32AD
HC02AD
OSC 40.000 MHZ
HC74D
ACT74D
SLOWCLK
FASTCLK
ATUCLK
40MHZ_F
5.6UH
22K
100PF
47PF

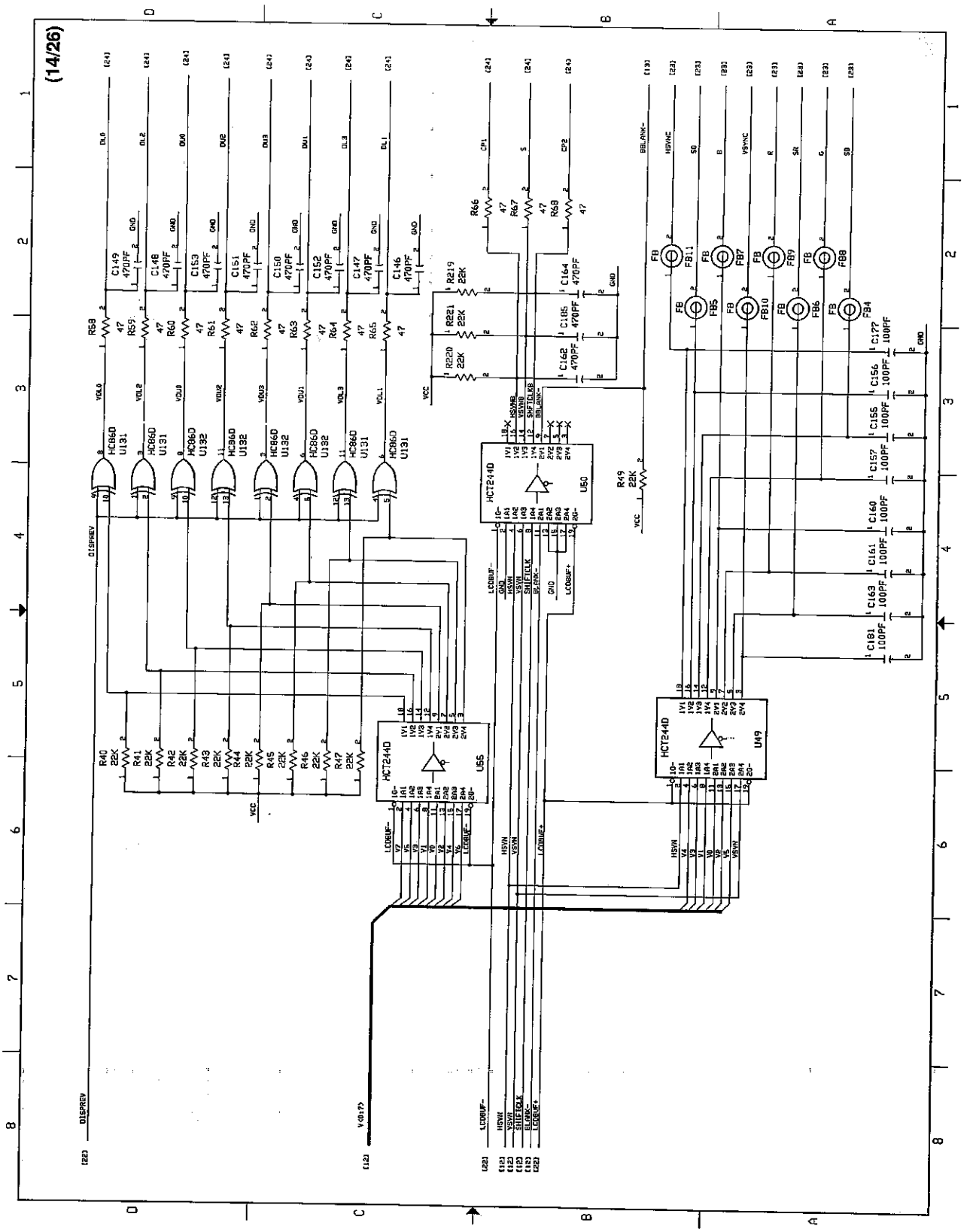

(9/26)
KEYBOARD CONTROLLER
80C42
80C42FP
HCT125D
HCT04D
ACT08D
F125D
I/O
SPEAKER
MSPK
BEEP2
HDACT-
DSIINT-
AUDIO
MDSEL-
KBDDATA
KBDCLK
VCC
GND

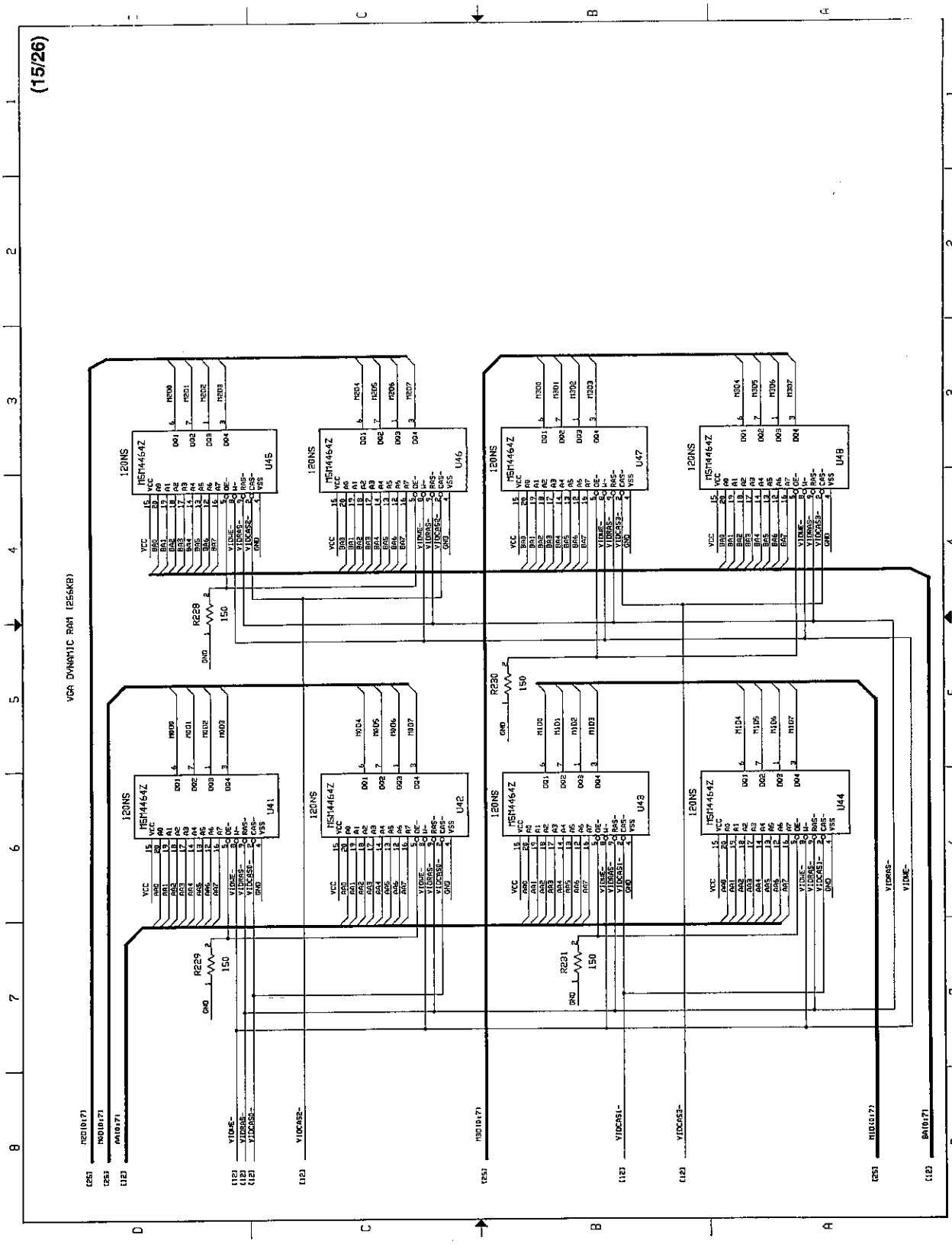

(10/26)
KEYBOARD SCANNER
80C50FP
U15
I/O PORT 1
I/O PORT 2
U15-17 CONNECTED TO VCC
HCT125D
U4
KBDDATA
KBDCLK
KYRD0-
KYPSEN-
KYRST-
KYALE
STR
RESET-
INT-
6.0MHZ
X1
C22
22PF
C23
22PF
22K
R57
R130
22K
R131
22K
RP14
10K
RP05
RP06
SP15
SP16
SH1
VCC
GND

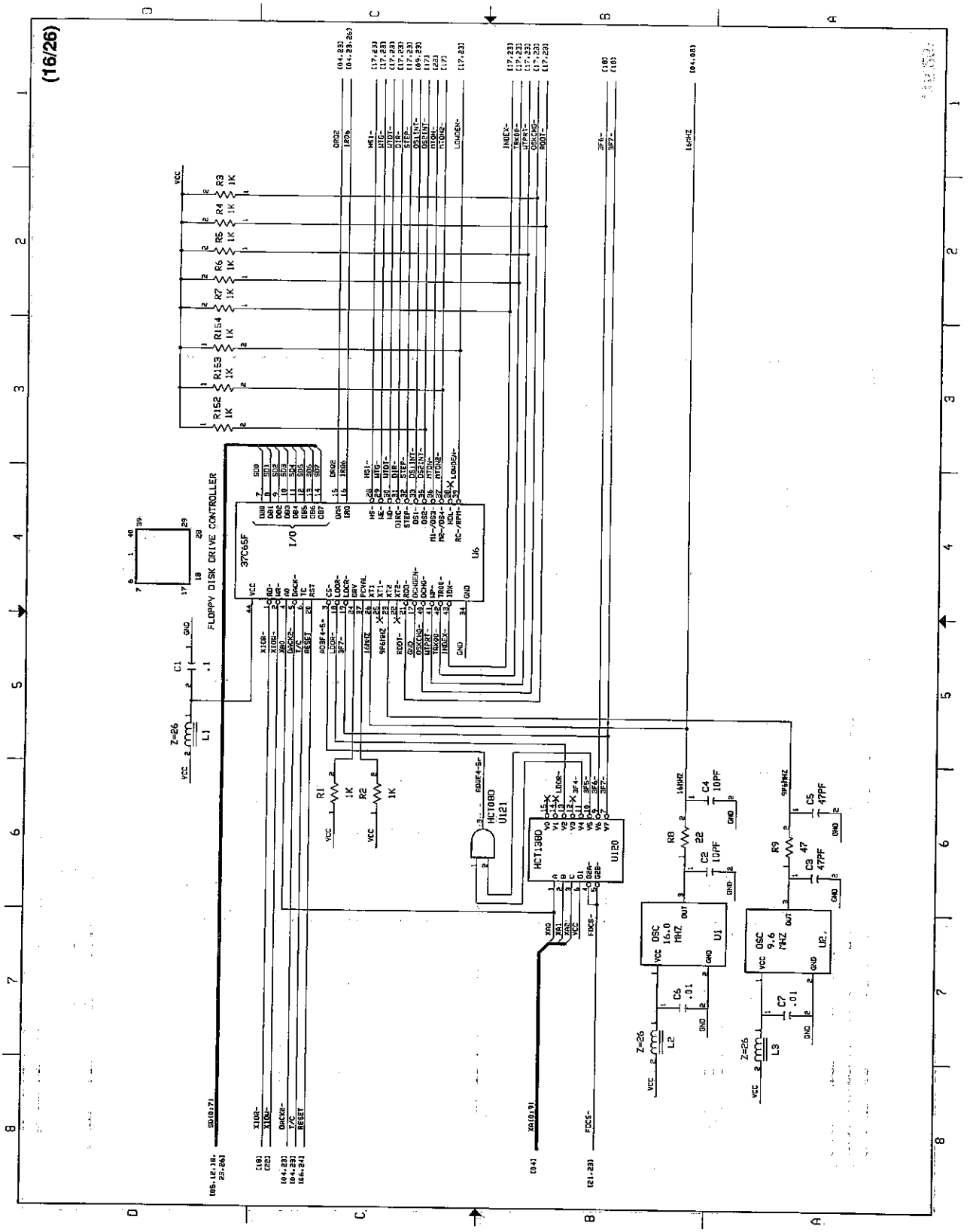

(11/26)
KEYBOARD SCANNER ROM
24640
HCT273D
HCT244D
HCT138D
AC02D
ACT00D
R148
R149
R150
R151
R132
R139
R216
R214
R236
C103
.01
22K
680K
150
330
10K
22
U102
U103
U100
U109
U108
U13
U7
U14
RP16
RP14
RP05
RP04
VCC
GND

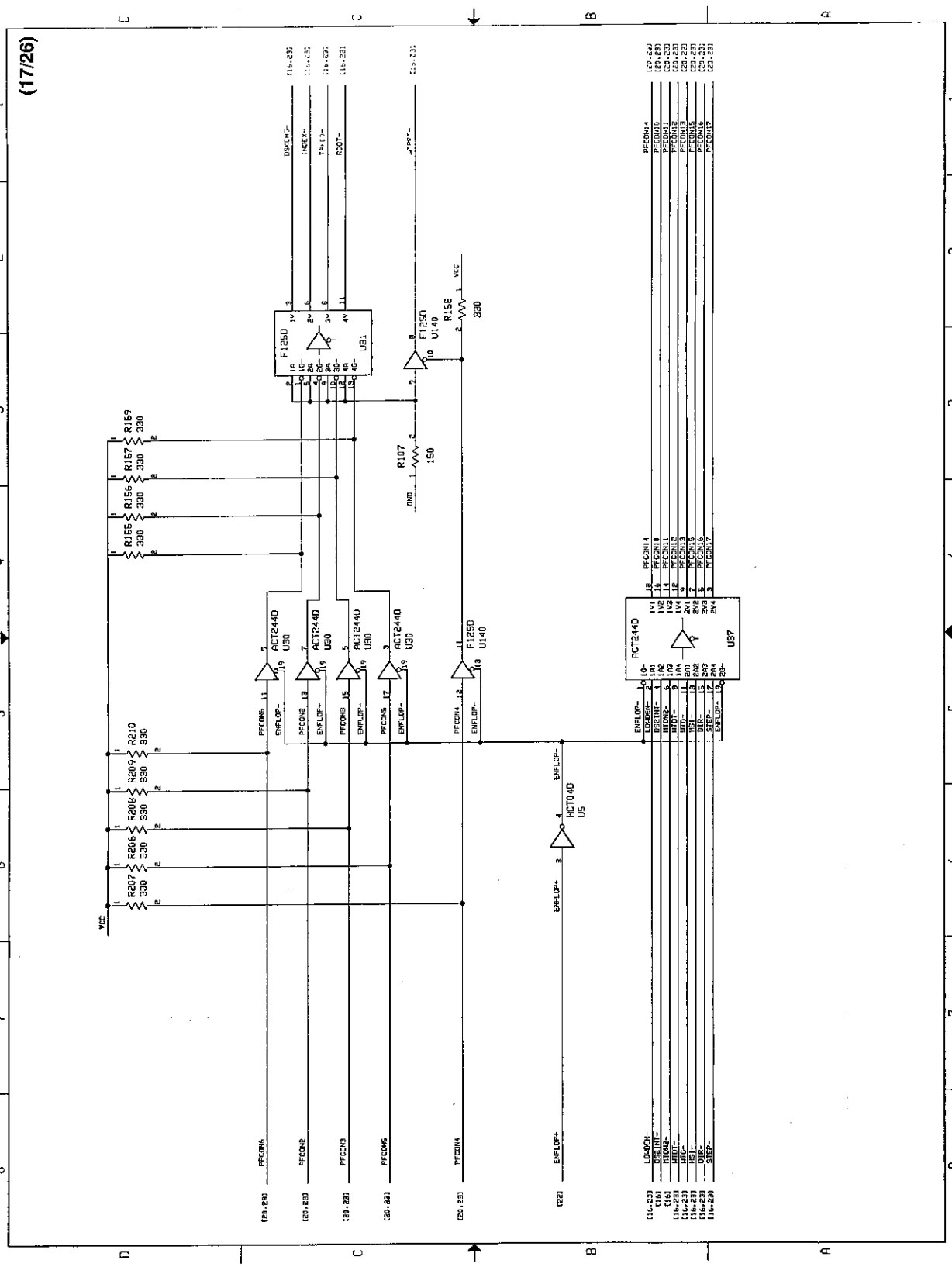

(12/26)
VGA BIOS ROM
27C256F
U51
VGA CONTROLLER
82C455F
SECTION 1 OF 2
I/O
HCT245D
U129
U130
HCT244D
U135
U134
HC1570
U137
F125D
U142
R226 150
R242 150
R35 27
R36 27
C175 47PF
C176 47PF
R227 150
R34 33
C164 330PF
R39 27
C125 22PF
C126 22PF
R38 27
C127 XXX
C128 10PF
C130 10PF
R37 27
C129 XXX
C123 .01
C124 .01
C122 .01
U27 OSC 16.257 MHZ
U28 OSC 28.322 MHZ
U29 OSC 25.175 MHZ
L13 Z=26
L14 Z=26
L15 Z=26
R33 10K
U52
NOTE: C127 AND C129 ARE NOT INSTALLED.

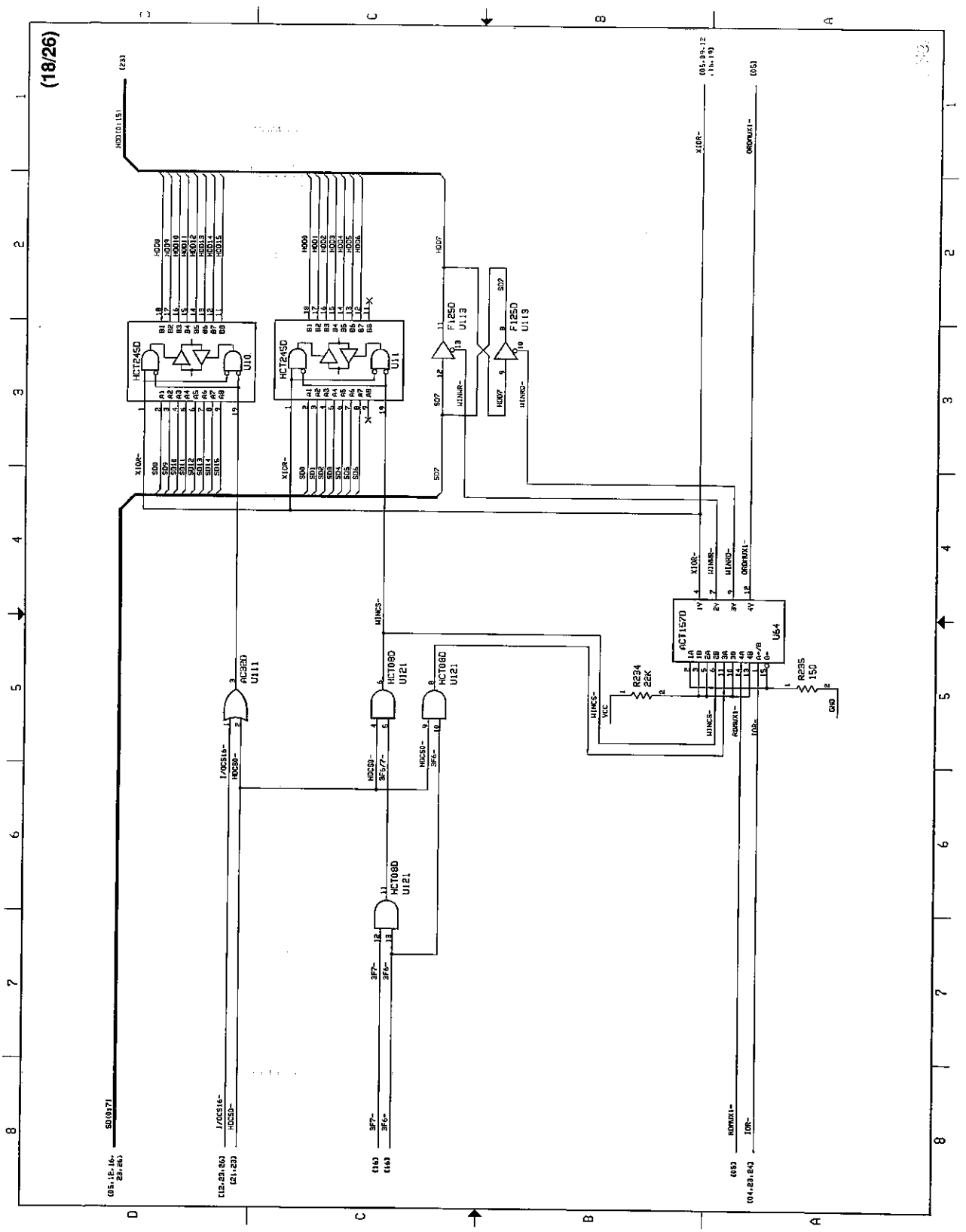

(13/26)
RAMDAC
35MHZ
BT475F
ACT1570
ACT11030
ACT04D
AC02D
F125D
IN914
SP16
SW1
JP1
U53
U113
U128
U133
U138
U139
R25
R26
R27
R51
R52
R53
R54
R55
R56
R99
C132
C133
C134
C135
C136
C137
L5
Z=26
VCC
GND
RED
GREEN
BLUE
SYNC-
BLANK-
CLOCK
DACCLK
SENSE-
VIDRAM-
VIDROM-
DISVGA-
MEMCS16-
ENVLCD-
PALRD-
PALWR-
EXTPAL+
LOADF-
REN
SETUP

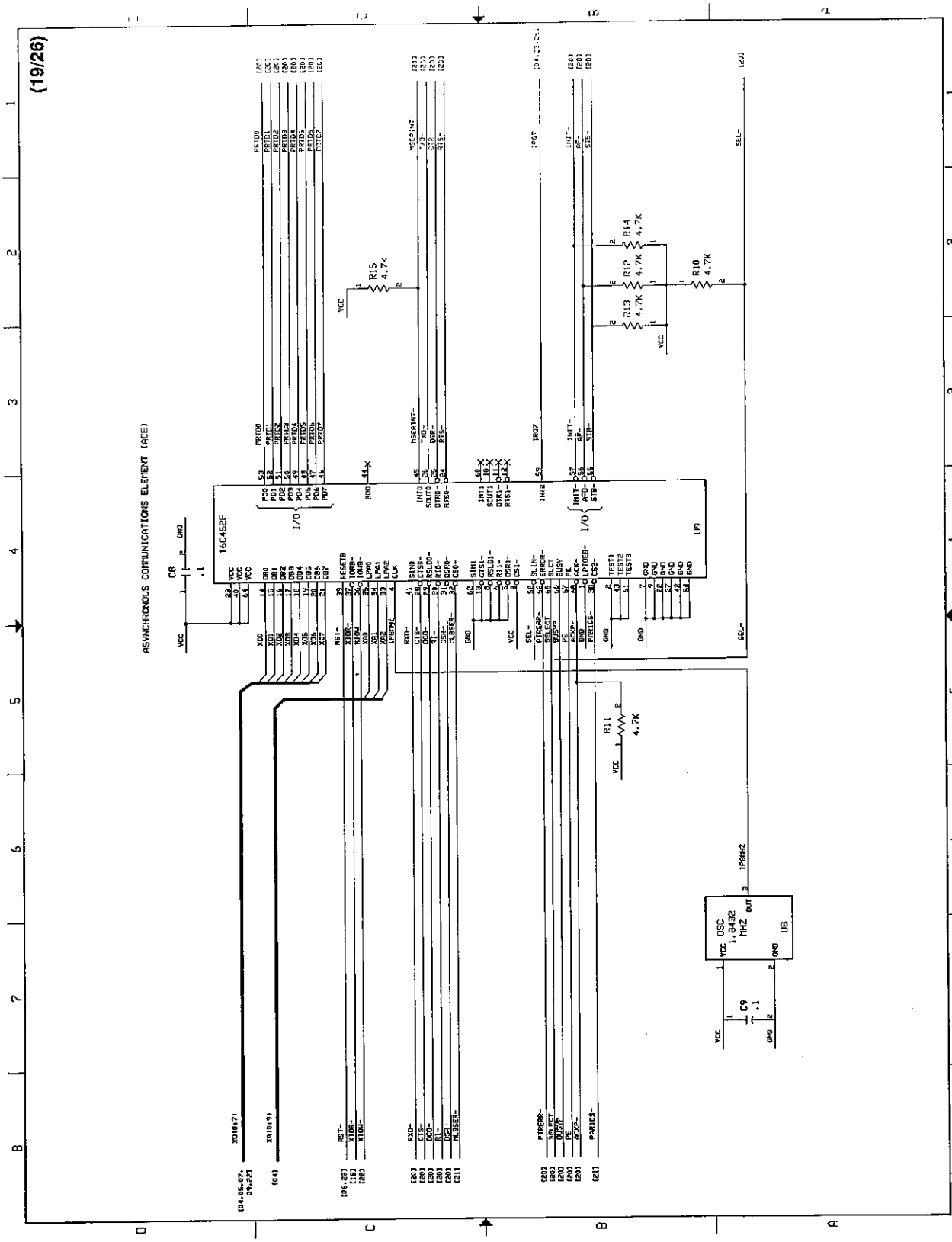

(14/26)
HCT244D
U55
U50
U49
HC86D
U131
U132
C149
C148
C153
C151
C150
C152
C147
C146
C164
C185
C162
C177
C156
C155
C157
C160
C161
C163
C181
R59
R60
R61
R62
R63
R64
R65
R66
R67
R68
R219
R221
R220
R49
R40
R41
R42
R43
R44
R45
R46
R47
FB11
FB5
FB7
FB10
FB9
FB6
FB8
FB4
VCC
GND
DISPREV
HSYNC
VSYNC
SHIFTCLKB
BBLANK-
LCDBUF-
LCDBUF+

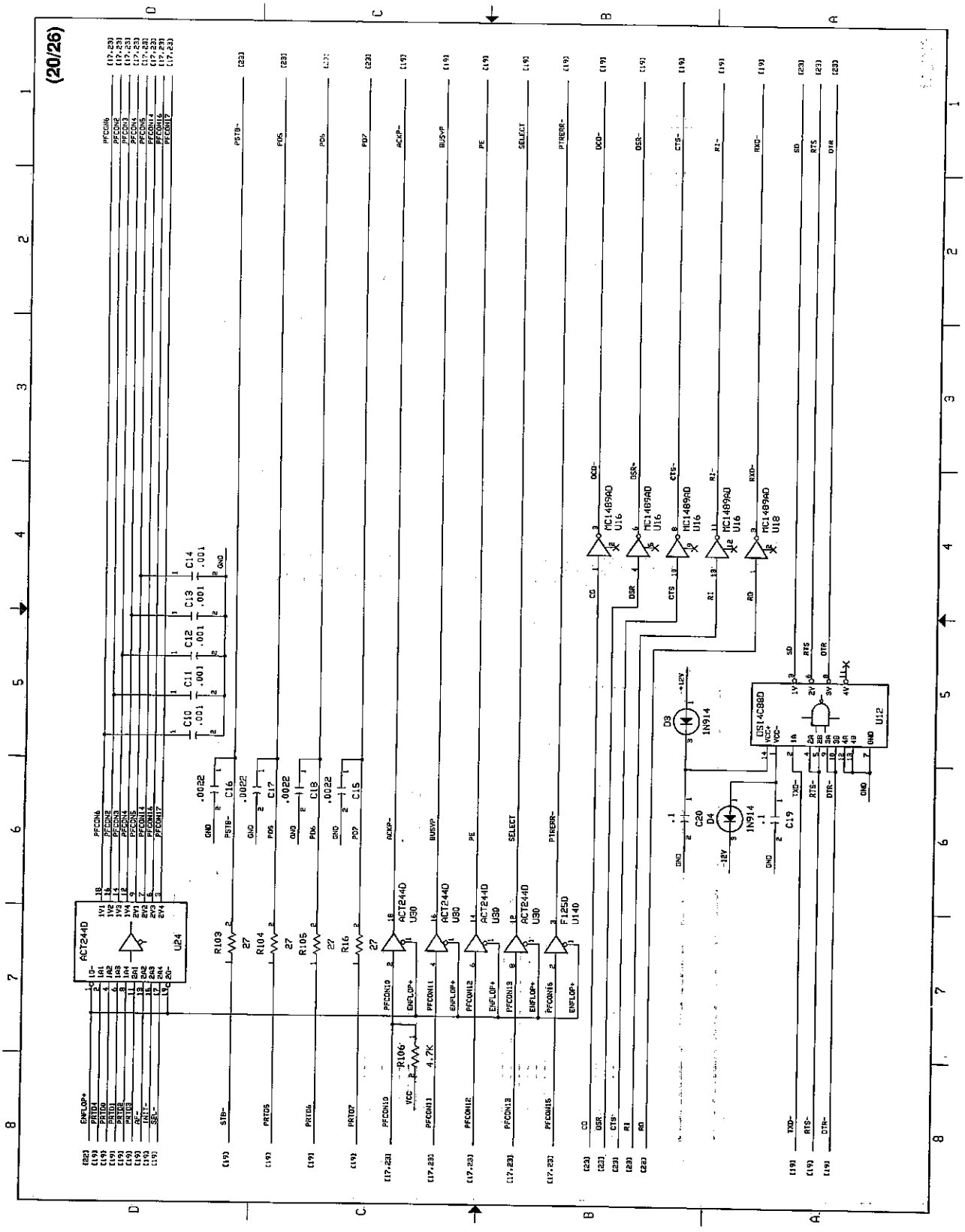

(15/26)
VGA DYNAMIC RAM (256KB)
MSM44647
120NS
U41
U42
U43
U44
U45
U46
U47
U48
R229
R230
R231
R228
150
VIDRAS-
VIDCAS0-
VIDCAS1-
VIDWE-
MD[0:7]
MA[0:7]
MD[8:15]

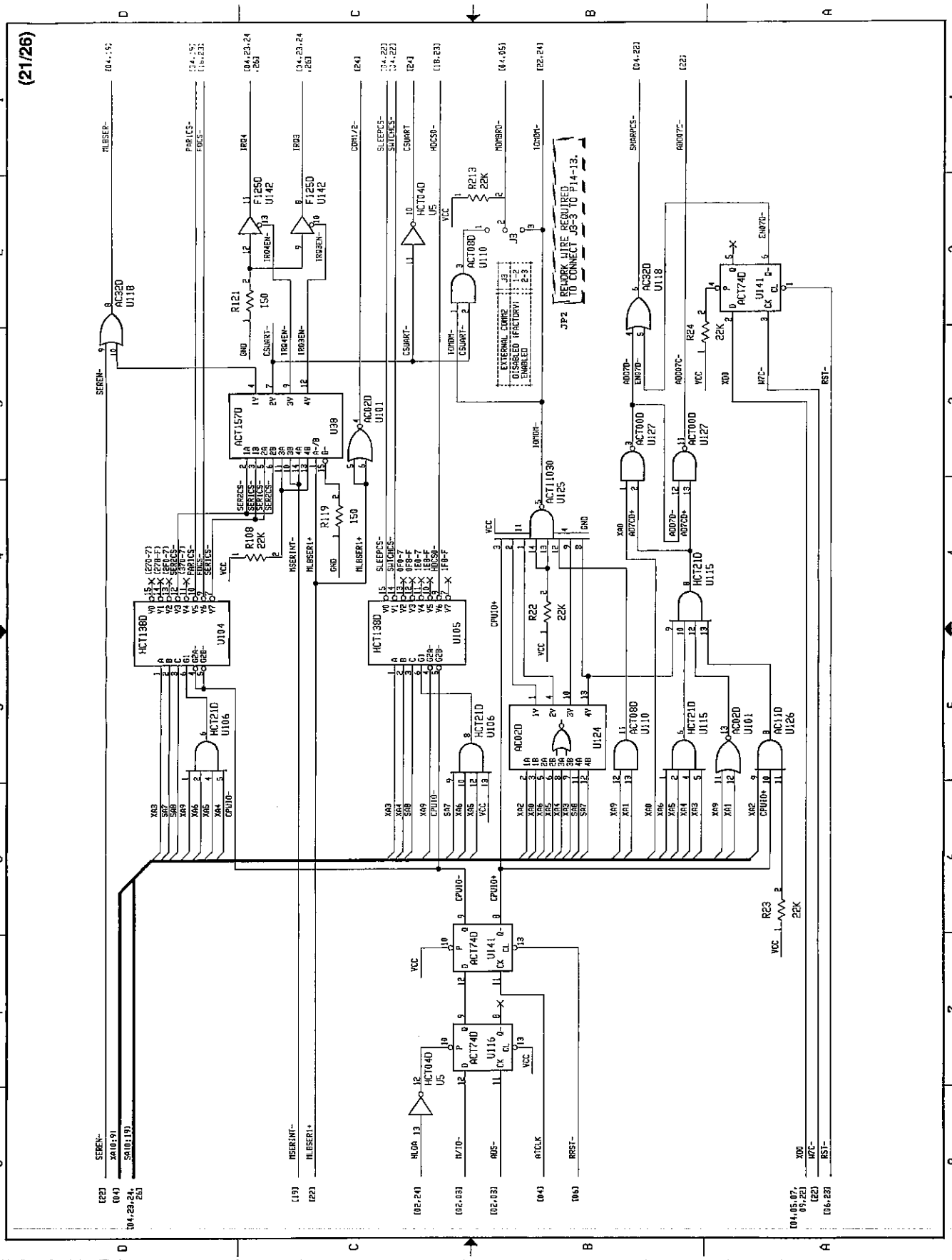

(16/26)
FLOPPY DISK DRIVE CONTROLLER
37C65F
I/O
U6
HCT138D
U120
HCT08D
U121
OSC 16.0 MHZ
U1
OSC 9.6 MHZ
U2
VCC
GND
R1
R2
R3
R4
R5
R6
R7
R152
R153
R154
C1
C2
C3
C4
C5
C6
C7
L1
L2
L3
Z=26
Z=25

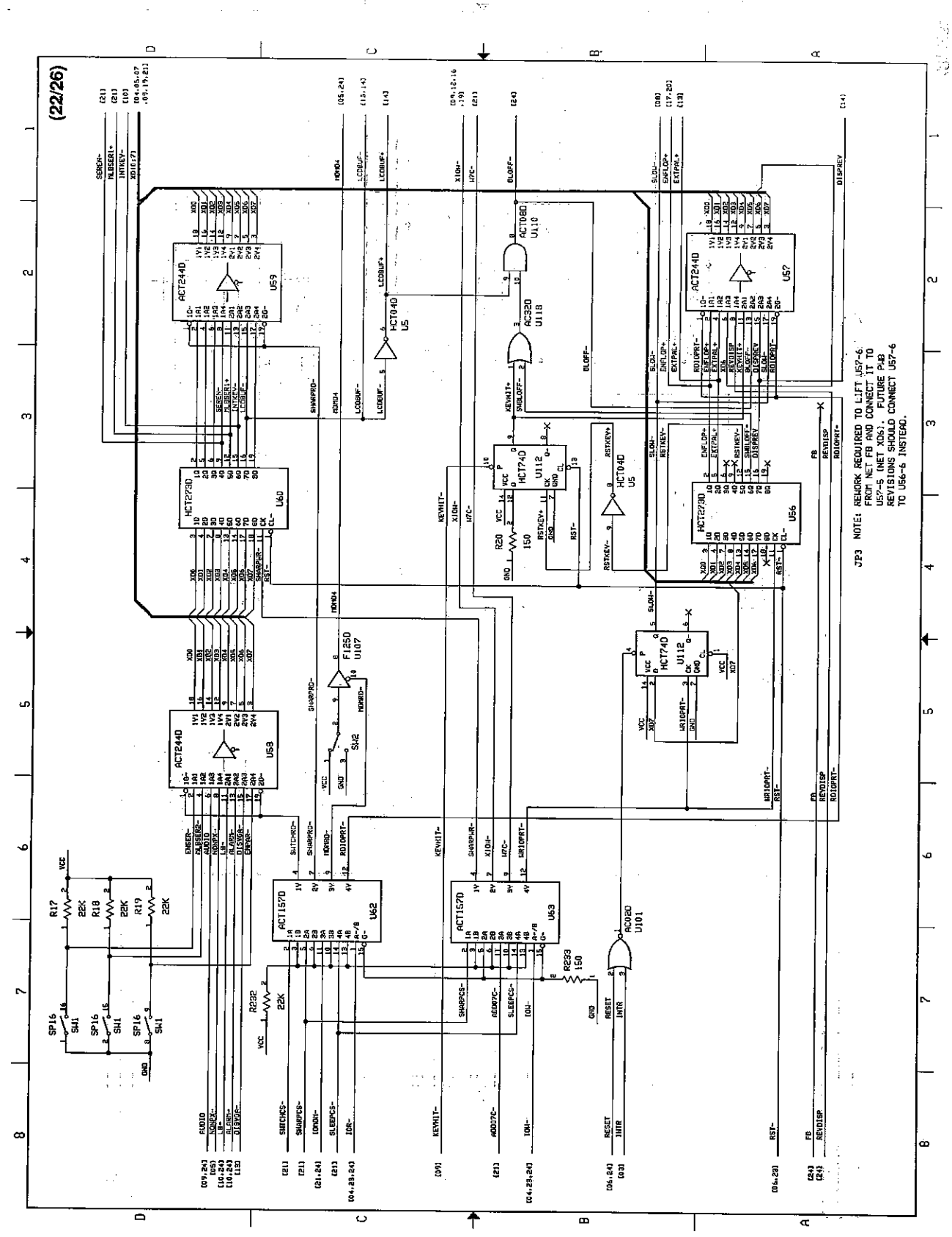

(17/26)
F125D
U31
R107
150
R158
330
R155
330
R156
330
R157
330
R159
330
R205
330
R206
330
R207
330
R208
330
R209
330
R210
330
ACT244D
U30
F125D
U140
ACT244D
U37
HCT04D
U5
VCC
GND
ENFLOP-
ENFLOP+
LOADEN-
DSTINT-
STROBE-
WTG-
HSI-
DIR-
STB-
PFCON2
PFCON3
PFCON4
PFCON5
PFCON6
PFCON14
PFCON15
PFCON16
PFCON17

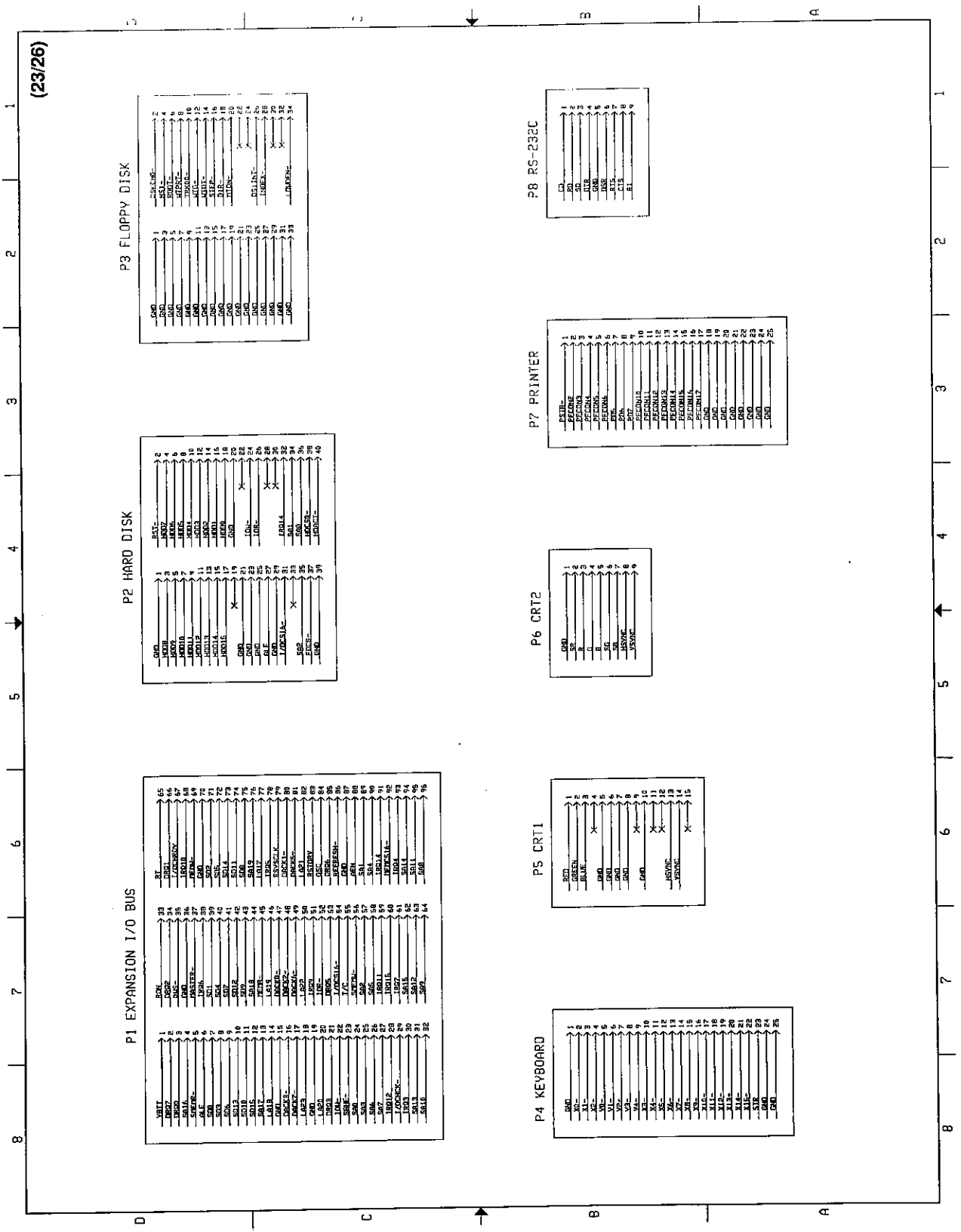

(18/26)
HCT245D
U10
U11
F125D
U113
AC32D
U111
HCT08D
U121
ACT157D
U64
R234
22K
R235
150
X10R-
HINCS-
VCC
GND

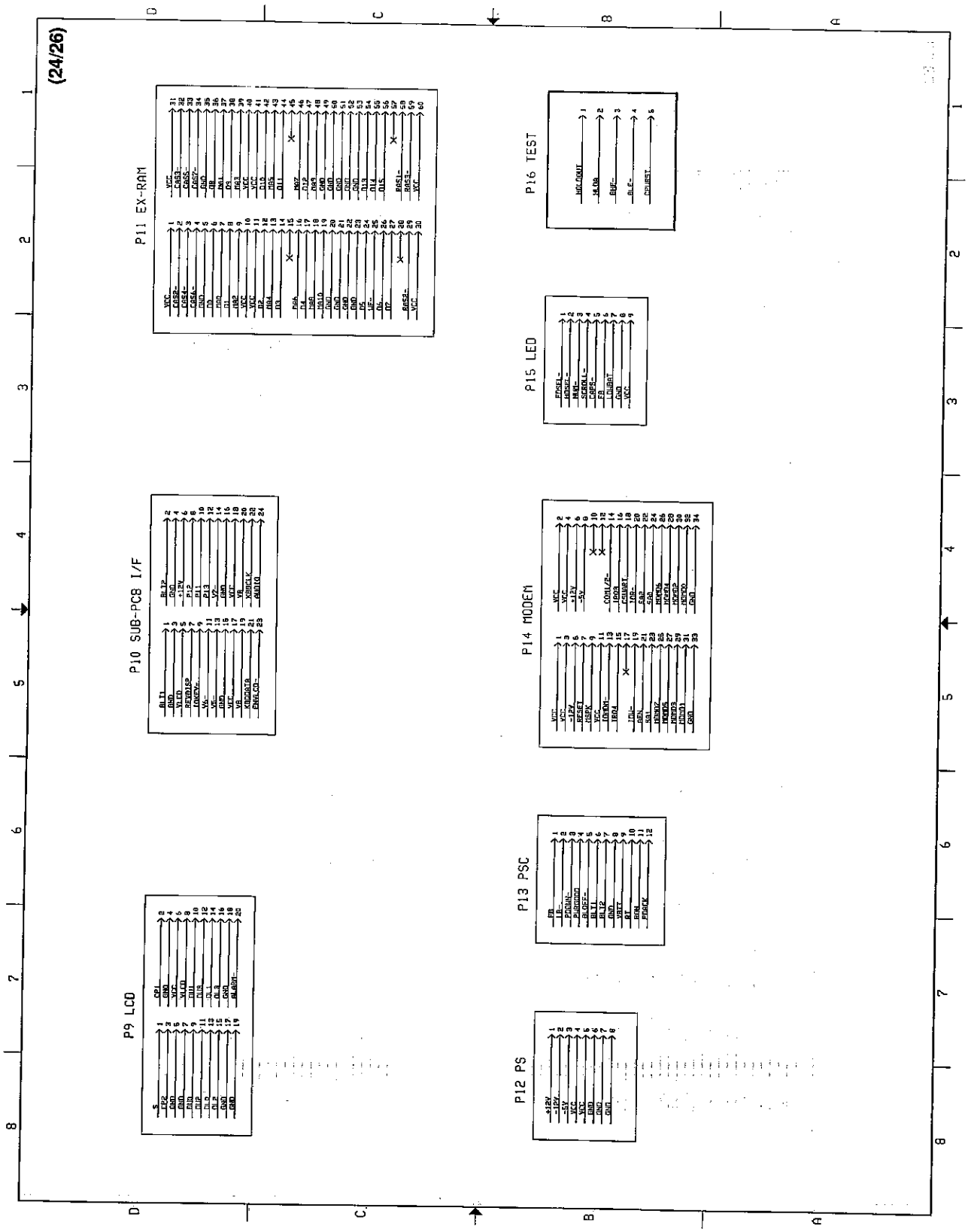

(19/26)
ASYNCHRONOUS COMMUNICATIONS ELEMENT (ACE)
16C452F
R15 4.7K
R14 4.7K
R12 4.7K
R13 4.7K
R10 4.7K
R11 4.7K
OSC 1.8432 MHZ
C8 .1
C9 .1
VCC
GND
SEL-
INIT-
PRTD0
PRTD1
PRTD2
PRTD3
PRTD4
PRTD5
PRTD6
PRTD7
RST-
XIOR-
XIOW-
RXD-
CTS-
DCD-
RI-
DSR-
PERR-
SELECT
BUSY
ACK-
PA[0:7]

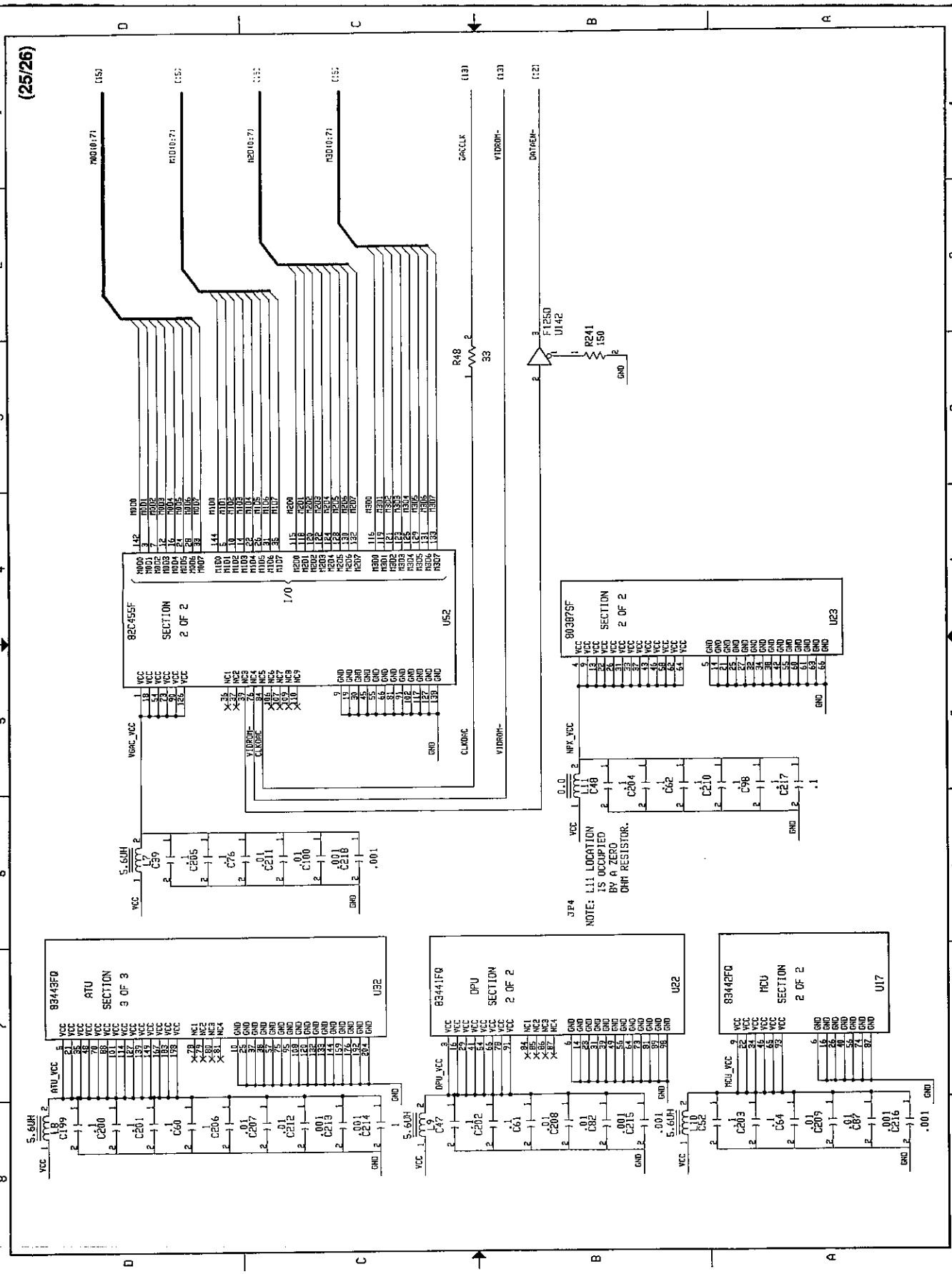

(20/26)
ACT244D
U24
R103
R104
R105
R16
R106
4.7K
C10
C11
C12
C13
C14
C15
C16
C17
C18
.0022
.001
.1
ACT244D
U30
F125D
U140
MC1489AD
U16
U18
DS14C88D
U12
D3
D4
C19
C20
1N914
-12V
+12V
GND
PFCON6
PFCON7
PFCON8
PFCON9
PFCON10
PFCON11
PFCON12
PFCON13
PFCON14
PFCON15
PFCON16
PFCON17
ENFLOP+
PSTB-
PD5
PD6
PD7
ACKP-
BUSYP
PE
SELECT
PTRERR-
DCD-
DSR-
CTS-
RI-
RXD-
SD
RTS
DTR
TXD-
RTS-
DTR-
STB-
CD
DSR
CTS
RI
RD


(21/26)
REWORK WIRE REQUIRED TO CONNECT J3-3 TO P14-13.
EXTERNAL COMM2
DISABLED (FACTORY)
ENABLED
HCT138D U104
HCT138D U105
HCT21D U106
ACT1570 U38
ACT1030 U125
F125D U142
AC32D U118
AC02D U101
ACT08D U110
HCT04D U5
ACT74D U141
ACT74D U116
ACT00D U127
HCT21D U115
AC11D U126
R108 22K
R119 150
R121 150
R213 22K
R22 22K
R24 22K
R23 22K
SERCEN-
MSERINT-
MLBSERI+
MLBSER-
HLDA
M/IO-
ADS-
ATCLK
RST-
SERDCS-
SLEEPCS-
SWITCHES-
PARICS-
FDCS-
CSUART-
IRQ4EN-
IRQ3EN-
IOMDM-
MDMSRC-
SHARPCS-
ADD7C-
ADD7D-
EN7C-
EN7D-
W7C-
XD0
CPU10+
CPU10-
VCC
GND


(22/26)
JP3 NOTE: REWORK REQUIRED TO LIFT U57-6.
FROM NET FB AND CONNECT IT TO
U57-5 (NET XD6). FUTURE PWB
REVISIONS SHOULD CONNECT U57-6
TO U56-6 INSTEAD.


(23/26)
P1 EXPANSION I/O BUS
P2 HARD DISK
P3 FLOPPY DISK
P4 KEYBOARD
P5 CRT1
P6 CRT2
P7 PRINTER
P8 RS-232C


(24/26)
P11 EX-RAM
P16 TEST
P15 LED
P10 SUB-PCB I/F
P14 MODEM
P13 PSC
P9 LCD
P12 PS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VIDROM-
DATAEN-
R48
33
FT2540
U142
R241
150
82C455F
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2 OF 2
U52
I/O
VGAC_VCC
VIDROM-
CLKDAC
GND
80387SF
SECTION
2 OF 2
U23
NPX_VCC
0.0
L11 LOCATION
IS OCCUPIED
BY A ZERO
OHM RESISTOR.
JP4
NOTE:
83443FQ
ATU
SECTION
3 OF 3
U32
ATU_VCC
5.6UH
L9
L7
C199
C39
C200
C201
C60
C206
C207
C212
C213
C214
C205
C76
C211
C100
C218
.001
83441FQ
DPU
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DPU_VCC
C47
C202
C61
C208
C82
C215
C48
C204
C62
C210
C98
C217
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C203
C64
C209
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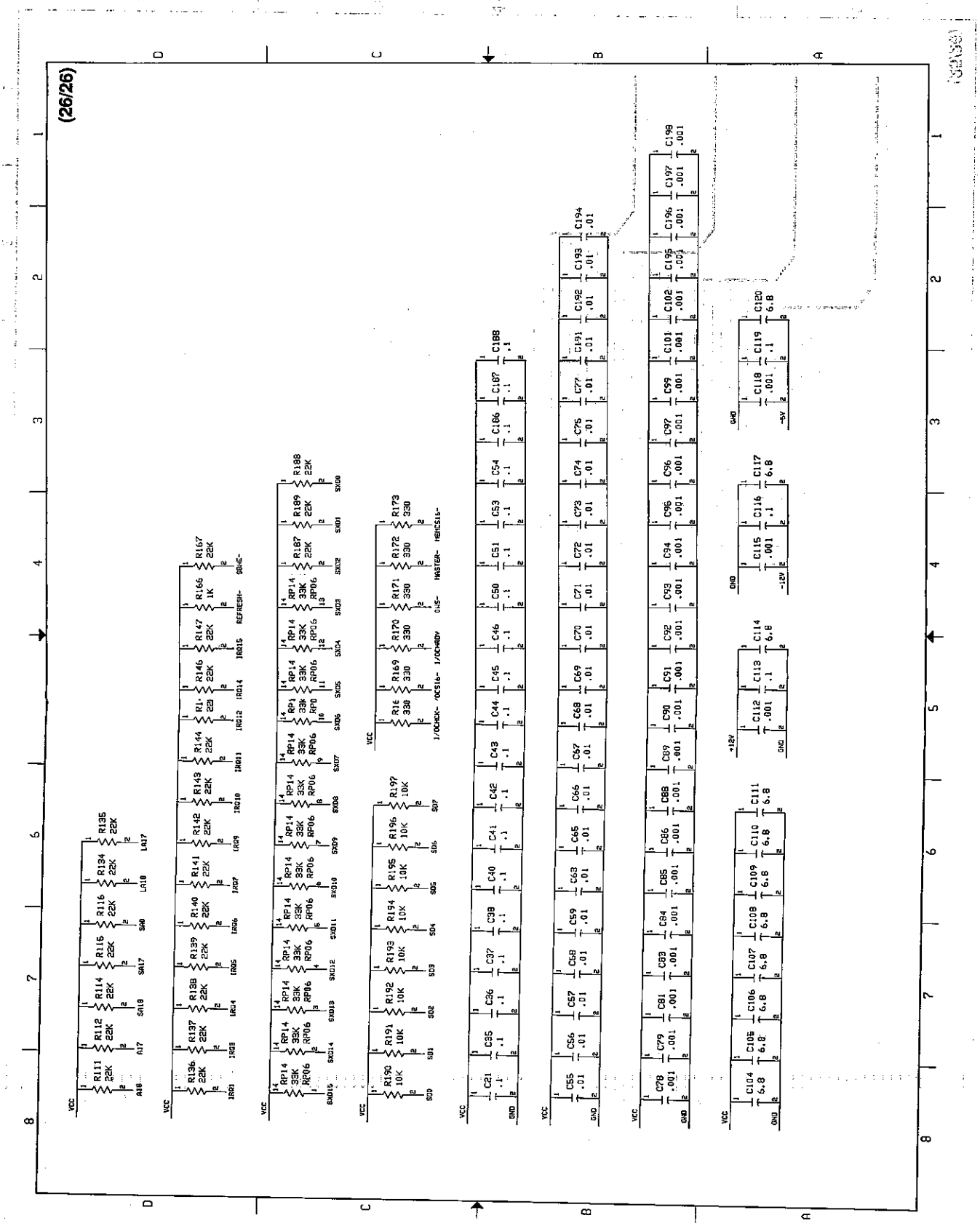
GND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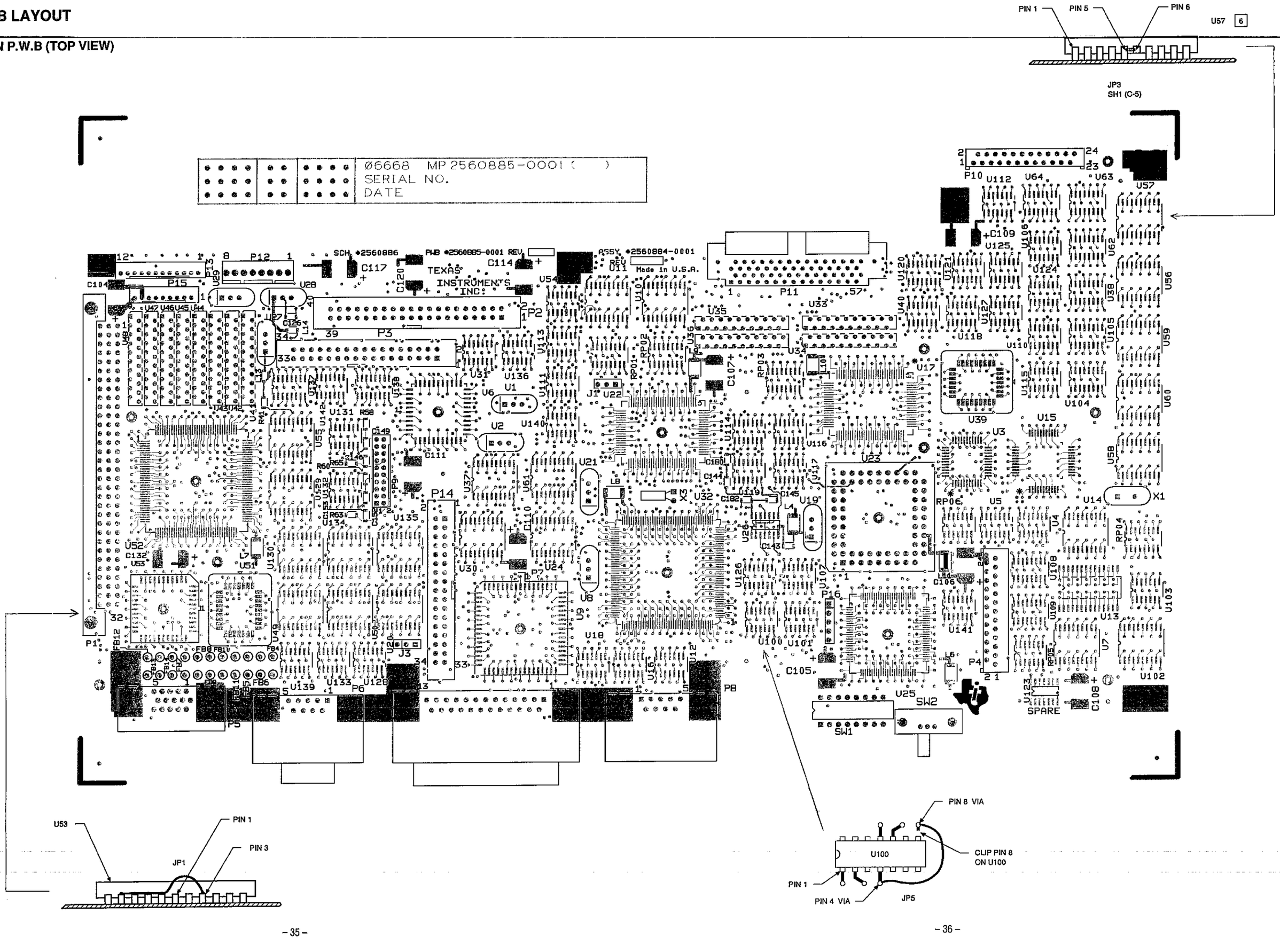
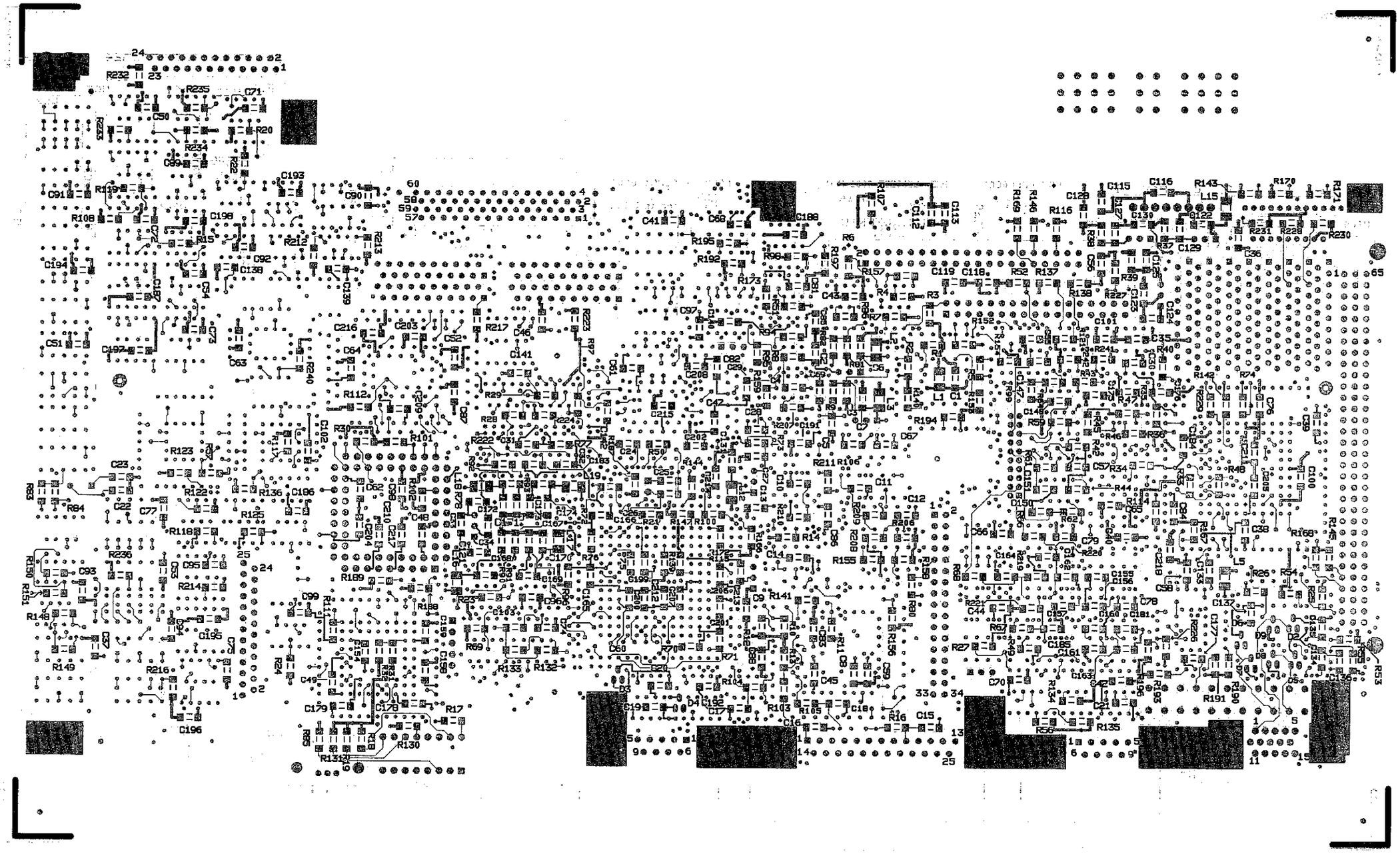
PWB LAYOUT

MAIN P.W.B (TOP VIEW)



MAIN P.W.B (BOTTOM VIEW)



SHARP PARTS GUIDE

PERSONAL COMPUTER

MODEL PC-5751

CONTENTS

1 Top cabinet etc.
2 Bottom cabinet etc.
3 Key board
4 Power supply unit
5 Packing material & Accessories
6 Main PWB unit
7 Sub PWB unit
8 LED PWB unit
9 LCD PWB unit
■ Index

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

DESTINATION TABLE

U	USA
Y	CANADA
G	Germany, Austria
H	U. Kingdom
Q	Australia

DEFINITION

The definition of each Rank is as follows and also noted in the list

A : Parts necessary to be stocked as High usage parts.
B : Parts necessary to be stocked as Standard usage parts.
C : Low usage parts.
D : Parts necessary for refurbish.
E : Unit parts recommended to be stocked for efficient after sales service.
Please note that the lead time for the said parts may be longer than normal parts.
S : Consumable parts.

Please note that the following parts used in Copier under the same description are classified into A or B Rank depending upon the place used.

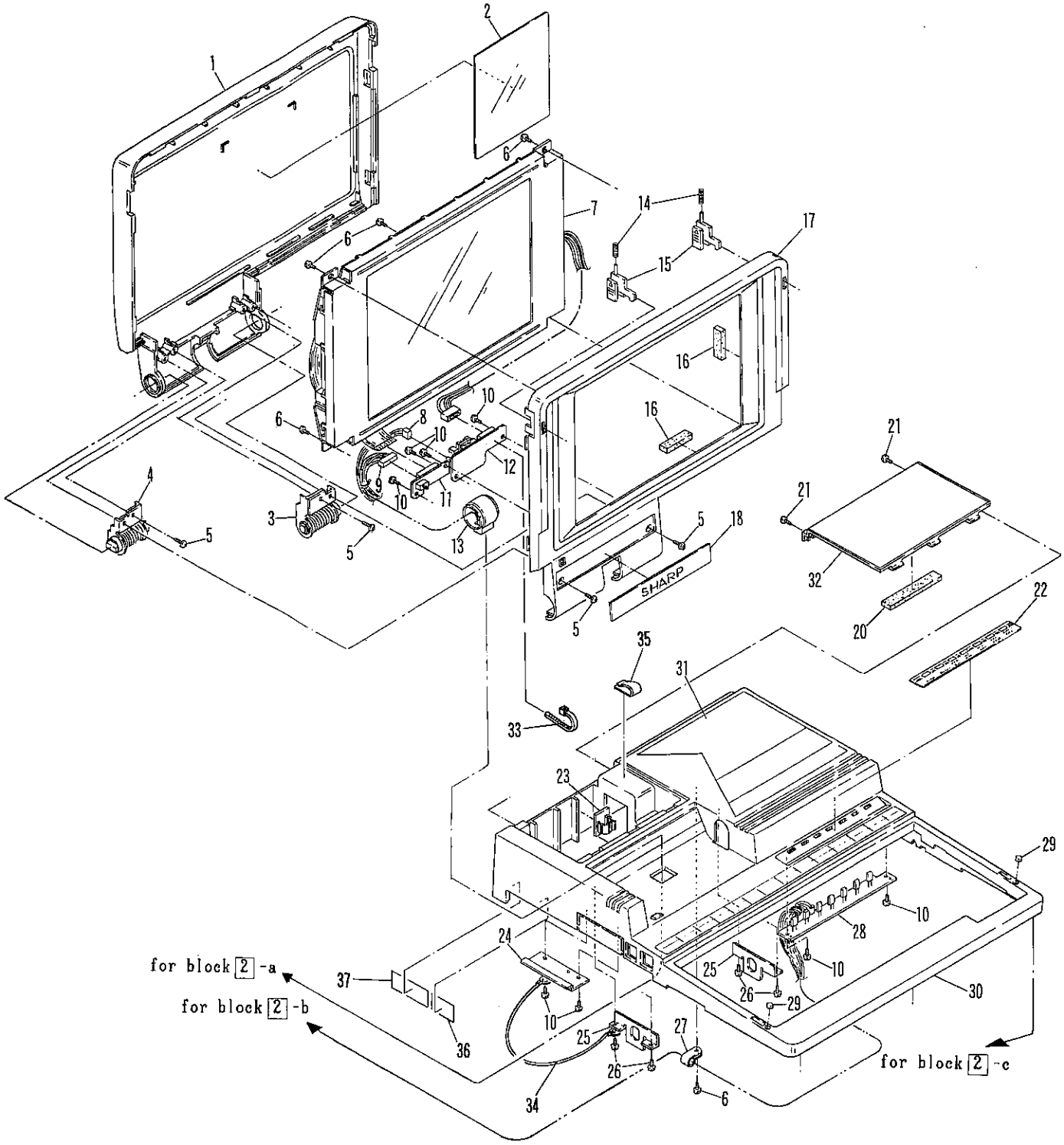
Example : Gear made of Metal, Sprocket, Bearing, Belt made of Rubber, Spring clutch mechanism.
A Rank : The parts which may be with the revolution or loading.
B Rank : Parts similar to A Rank parts, but are not included in Rank A.

Parts marked with "⚠" is important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

1 Top cabinet etc.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	GCABC1064ACSE	AZ		D	Cabinet−C	
	GCABC1064ACSG	AZ		D	Cabinet−C	(G)
2	PSHEZ1042ACZZ	AE		C	Insulation sheet C	(U,Y,H,Q)
3	PDMP−1005ACZZ	AX		C	Dumper R	
4	PDMP−1004ACZZ	AX		C	Dumper L	
5	XBPSD30P10000	AA		C	Screw (3×10)	
6	XUPSD30P08000	AA		C	Screw (3×8)	
7	DUNTK2236ACZA	CT		E	LCD unit	
8	QCNW−1303ACZZ	AQ		C	INV cable (2pin)	
9	QCNW−1304ACZZ	AZ		C	LCD cable (20pin)	
10	XUPSD30P06000	AA		C	Screw (3×6)	
11	CPWBS1181AC01	AT		E	LCD PWB unit	
12	DUNTK2282ACZZ	AX		E	Inverter unit	
13	GCOVP1037ACZZ	AC		C	Cover−A	
	GCOVP1037ACSD	AC		C	Cover−A	(G)
14	MSPRP1013ACZZ	AA		C	Spring	(U,Y,H,Q)
15	LSTPZ1001ACZZ	AC		C	Stopper	
	LSTPZ1001ACSA	AC		C	Stopper	(G)
16	PCUSS1028ACZZ	AA		C	Cushion rubber	(U,Y,H,Q)
17	GCABD1065ACZZ	AX		D	Cabinet−D	
	GCABD1065ACSD	AY		D	Cabinet−D	(G)
18	LPLTP1033ACZZ	AD		D	Modem plate	(U,Y,H,Q)
	LPLTP1033ACSA	AD		D	Modem plate	(G)
20	PCUSS1031ACZZ	AA		C	Battery cover cushion	(U,Y,H,Q)
21	XBBSC30W06000	AA		C	Screw (3×6)	
	XBBSF30W06000	AA		C	Screw (3×6)	(G)
22	HPNLC1041ACZZ	AE		D	LED panel	(U,Y,H,Q)
	HPNLC1041ACSA	AE		D	LED panel	(G)
23	LHLDW0730FCZZ	AB		C	Wire holder	(U,Y,H,Q)
24	LANGT1189ACZZ	AD		C	Modem cover angle	
25	LANGT1186ACZZ	AC		C	Dumper angle	
26	XBPSD30P06000	AA		C	Screw (3×6)	
27	LBNDJ0002FCZZ	AA		C	Cable holder (HP−4N)	
28	CPWBF1182AC01	AY		E	LED PWB unit	
29	GLEGG1024CCZZ	AA		C	Rubber foot	
30	GCABB1063ACZZ	BE		D	Cabinet−B	
	GCABB1063ACSD	BH		D	Cabinet−B	(G)
31	TLABM1586ACZZ	AT	N	C	Pop lebel	(U,Y,H,Q)
32	GCOVP1036ACZZ	AG		D	Battery cover	
	GCOVP1036ACSD	AA		D	Battery cover	(G)
33	LBNDJ0042FCZZ	AA		C	Band	(U,Y,H,Q)
34	QCNW−1301ACZZ	AC		C	Earth cable	
35	MSPRP7039SCZZ	AD		C	Earth spring	(G)
36	PTPEZ1010ACZZ	AC		C	Copper tape A	(U,Y,G)
37	PTPEZ1011ACZZ	AD		C	Copper tape B	(U,Y)
						(U,Y)

1 Top cabinet etc.

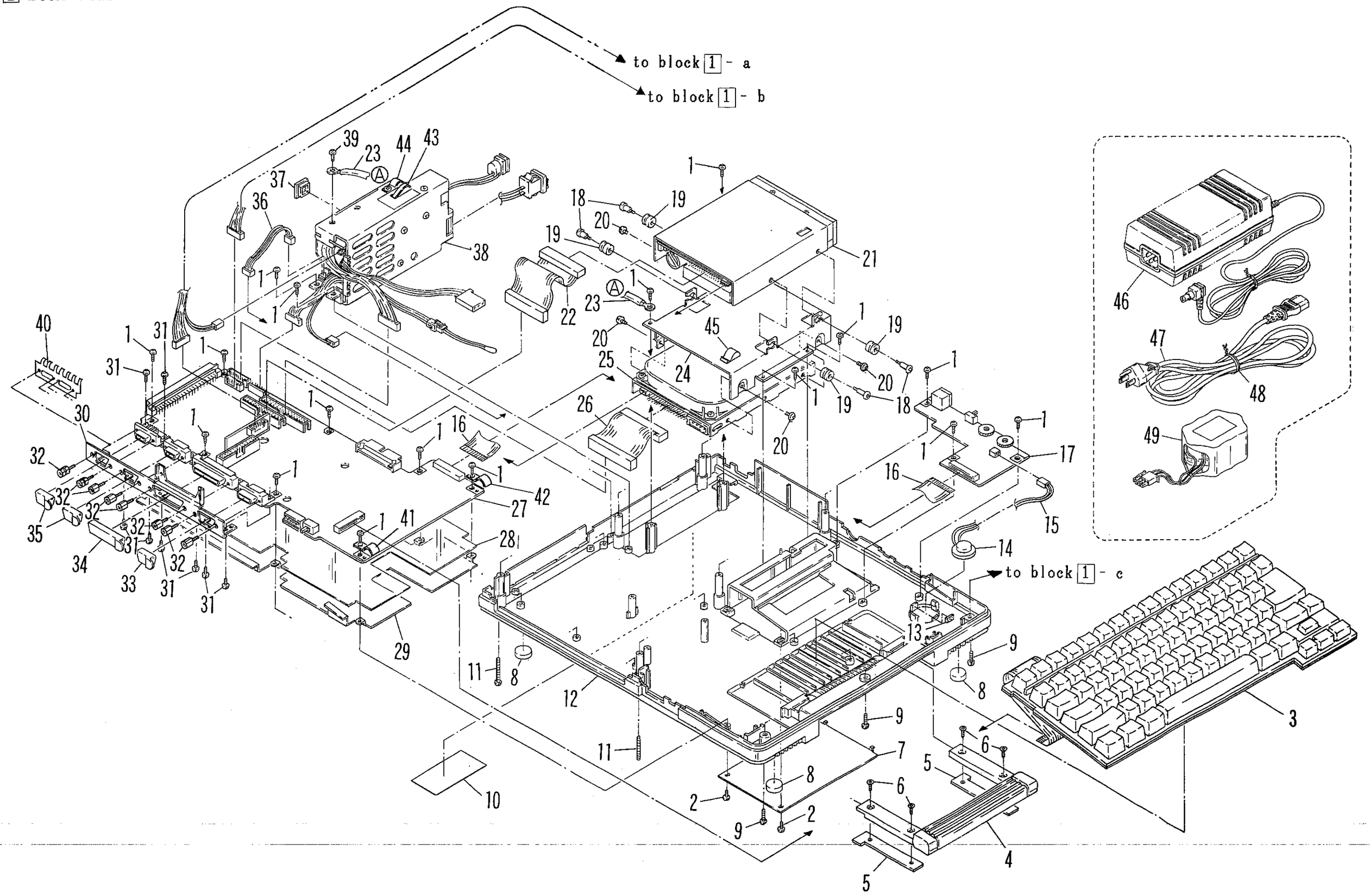


2 Bottom cabinet etc.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	XUPSD30P08000	AA		C	Screw (3×8)	
2	XBBSC30W06000	AA		C	Screw (3×6)	
	XBBSF30W06000	AA		C	Screw (3×6)	(G)
3	DUNT-2250ACZZ	BK		E	Ass'y,keyboard	(U,Y,H,Q)
	DUNT-2251ACZZ	BK		E	Ass'y,keyboard	(U,Y,Q)
	DUNT-2252ACZZ	BK		E	Ass'y,keyboard	(H)
4	JHNDP1006ACZZ	AG		D	Handle	(G)
	JHNDP1006ACSA	AG		D	Handle	(G)
5	LANGT1190ACZZ	AE		C	Handle angle	(U,Y,H,Q)
	LANGT1190ACSA	AE		C	Handle angle	(G)
6	XBSSC30P06000	AA		C	Screw (3×6)	(U,Y,H,Q)
	XBSSF30P06000	AA		C	Screw (3×6)	(G)
7	GFTAZ1048ACZZ	AH		D	Ram card bottom cover	(U,Y,H,Q)
	GFTAZ1048ACSA	AH		D	Ram card bottom cover	(G)
8	GLEGG1019CCZZ	AB		C	Rubber foot	(U,Y,H,Q)
9	XBBSC30P08000	AA		C	Screw (3×8)	
	XBBSF30P08000	AA		C	Screw (3×8)	(G)
10	TCAUH1025ACZZ	AB		C	Caution label	(U,Y,H,Q)
11	XBBSC30P30000	AA		C	Screw (3×30)	
	XBBSF30P30000	AA		C	Screw (3×30)	(G)
12	GCABA1062ACZZ	BC		D	Cabinet-A	(U,Y,H,Q)
	GCABA1062ACSD	BC		D	Cabinet-A	(G)
13	PCUSS1019ACZZ	AA		D	Speaker cushion B	(U,Y,H,Q)
14	RALMB1007HCZZ	AK		C	Speaker (8Ω)	
15	QCNW-1282ACZZ	AD		B	Speaker cable	
16	QCNW-1283ACZZ	AE		C	24P flat cable	
17	CPWBS1180AC02	BH		E	Sub PWB unit	
	CPWBS1180AC03	BH		E	Sub PWB unit	(G,H,Q)
18	LX-BZ1182CCZZ	AB		C	Screw	(U,Y)
19	PGUMM1562CCZA	AD		C	Rubber	
20	LX-BZ1034ACZZ	AA		C	Screw	
21	DUNTK2480ACZZ	BX		E	FD unit	
	DUNTK2480ACSA	BX		E	FD unit	(G)
22	QCNW-1277ACZZ	AR		C	FD wire (34pin)	(U,Y,H,Q)
23	QCNW-1301ACZZ	AC		C	HD earth cable	
24	LANGT1187ACZZ	AH		C	FD/HD angle	
• 25	0ii2560807004	**	N	E	HD unit (120MB)	
26	QCNW-1305ACZZ	AX		C	HD wire with core	
27	DUNTK2543CTZZ	**		E	Main PWB unit	
28	PSHEZ1040ACZZ	AK		C	Insulation sheet A	
29	PSLDM1015ACZZ	AL		C	Shield plate	
30	LANGT1188ACZZ	AH		C	Connector angle	
31	XBPSC30P08000	AA		C	Screw (3×8)	
32	LX-BZ1141CCZZ	AA		C	Screw (2.6×6.4)	
33	PCAPH1014ACZZ	AD		C	9P cap	
34	PCAPH1016ACZZ	AD		C	25P cap	
35	PCAPH1015ACZZ	AC		C	9P cap	
36	QCNW-1286ACZZ	AD		C	HD/PS Cable	
37	PCAPH1013ACZZ	AC		C	4P cap	
	PCAPH1013ACSA	AC		C	4P cap	(G)
⚠ 38	RDENC1022ACZZ	CB		E	Power supply unit	(U,Y,H,Q)
39	XBBSD30P05000	AA		C	Screw (3×5)	
40	MSPRP1012ACZZ	AC		C	Connector earth spring	
41	MSPRP1014ACZZ	AB		C	Key earth spring L	
42	MSPRP1015ACZZ	AB		C	Key earth spring R	(U,Y,G)
43	MSPRP1016ACZZ	AH		C	PS earth spring	(U,Y,G)
44	MSPRP1015ACZZ	AB		C	Key earth spring R	(U,Y)
45	MSPRP7039SCZZ	AD		C	Earth spring	(G)
⚠	RADPA1017ACZG	BU		B	AC adaptor	
⚠ 46	RADPA1016ACZZ	BT		B	AC adaptor(AC cord No.72 includes)	(G)
⚠	RADPA1014ACZH	BT		B	AC adaptor	(U,Y)
⚠	QACCV6321QCZZ	AT		B	AC cord	(H,Q)
⚠ 47	QACCB7321QCZZ	AX		B	AC cord	(G)
⚠	QACCL7321QCZZ	AT		B	AC cord	(H)
48	UBNDA1008CCZZ	AA		C	AC cord band (120mm)	(Q)
49	UBATN1008ACZZ	BS		B	NICD battery	

PC5751

2 Bottom cabinet etc.



3 Keyboard

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	0CFR562778-01	AG		C	Key top (U,Y,Q)
	0CFR562779-01	AG		C	Key top (H)
	0CFR562780-01	AG		C	Key top (G)
2	0CFR562778-02	AG		C	Key top (U,Y,Q)
	0CFR562779-02	AG		C	Key top (H)
	0CFR562780-02	AG		C	Key top (G)
3	0CFR562778-03	AG		C	Key top (U,Y,Q)
	0CFR562779-03	AG		C	Key top (H)
	0CFR562780-03	AG		C	Key top (G)
4	0CFR562778-04	AG		C	Key top (U,Y,Q)
	0CFR562779-04	AG		C	Key top (H)
	0CFR562780-04	AG		C	Key top (G)
5	0CFR562778-05	AG		C	Key top (U,Y,Q)
	0CFR562779-05	AG		C	Key top (H)
	0CFR562780-05	AG		C	Key top (G)
6	0CFR562778-06	AG		C	Key top (U,Y,Q)
	0CFR562779-06	AG		C	Key top (H)
	0CFR562780-06	AG		C	Key top (G)
7	0CFR562778-07	AG		C	Key top (U,Y,Q)
	0CFR562779-07	AG		C	Key top (H)
	0CFR562780-07	AG		C	Key top (G)
8	0CFR562778-08	AG		C	Key top (U,Y,Q)
	0CFR562779-08	AG		C	Key top (H)
	0CFR562780-08	AG		C	Key top (G)
9	0CFR562778-09	AG		C	Key top (U,Y,Q)
	0CFR562779-09	AG		C	Key top (H)
	0CFR562780-09	AG		C	Key top (G)
10	0CFR562778-10	AG		C	Key top (U,Y,Q)
	0CFR562779-10	AG		C	Key top (H)
	0CFR562780-10	AG		C	Key top (G)
11	0CFR562778-11	AG		C	Key top (U,Y,Q)
	0CFR562779-11	AG		C	Key top (H)
	0CFR562780-11	AG		C	Key top (G)
12	0CFR562778-12	AG		C	Key top (U,Y,Q)
	0CFR562779-12	AG		C	Key top (H)
	0CFR562780-12	AG		C	Key top (G)
13	0CFR562778-13	AG		C	Key top (U,Y,Q)
	0CFR562779-13	AG		C	Key top (H)
	0CFR562780-13	AG		C	Key top (G)
14	0CFR562778-14	AG		C	Key top (U,Y,Q)
	0CFR562779-14	AG		C	Key top (H)
	0CFR562780-14	AG		C	Key top (G)
15	0CFR562778-15	AG		C	Key top (U,Y,Q)
	0CFR562779-15	AG		C	Key top (H)
	0CFR562780-15	AG		C	Key top (G)
16	0CFR562778-16	AG		C	Key top (U,Y,Q)
	0CFR562779-16	AG		C	Key top (H)
	0CFR562780-16	AG		C	Key top (G)
17	0CFR562778-17	AG		C	Key top (U,Y,Q)
	0CFR562779-17	AG		C	Key top (H)
	0CFR562780-17	AG		C	Key top (G)
18	0CFR562778-18	AG		C	Key top (U,Y,Q)
	0CFR562779-18	AG		C	Key top (H)
	0CFR562780-18	AG		C	Key top (G)
19	0CFR562778-19	AG		C	Key top (U,Y,Q)
	0CFR562779-19	AG		C	Key top (H)
	0CFR562780-19	AG		C	Key top (G)
20	0CFR562778-20	AG		C	Key top (U,Y,Q)
	0CFR562779-20	AG		C	Key top (H)
	0CFR562780-20	AG		C	Key top (G)
21	0CFR562778-21	AG		C	Key top (U,Y,Q)
	0CFR562779-21	AG		C	Key top (H)
	0CFR562780-21	AG		C	Key top (G)
22	0CFR562778-22	AG		C	Key top (U,Y,Q)
	0CFR562779-22	AG		C	Key top (H)
	0CFR562780-22	AG		C	Key top (G)
23	0CFR562778-23	AG		C	Key top (U,Y,Q)
	0CFR562779-23	AG		C	Key top (H)
	0CFR562780-23	AG		C	Key top (G)
24	0CFR562778-24	AG		C	Key top (U,Y,Q)
	0CFR562779-24	AG		C	Key top (H)
25	0CFR562778-25	AG		C	Key top (U,Y,Q)
	0CFR562779-25	AG		C	Key top (H)
	0CFR562780-25	AG		C	Key top (G)
26	0CFR562778-26	AG		C	Key top (U,Y,Q)
	0CFR562779-26	AG		C	Key top (H)
	0CFR562780-26	AG		C	Key top (G)
27	0CFR562778-27	AG		C	Key top (U,Y,Q)
	0CFR562779-27	AG		C	Key top (H)
	0CFR562780-27	AG		C	Key top (G)

PC5751

3 Keyboard

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
28	0CFR562778-28	AG		C	Key top (U,Y,Q)
	0CFR562779-28	AG		C	Key top (H)
	0CFR562780-28	AG		C	Key top (G)
29	0CFR562778-29	AG		C	Key top (U,Y,Q)
	0CFR562779-29	AG		C	Key top (H)
	0CFR562780-29	AG		C	Key top (G)
30	0CFR562778-30	AG		C	Key top (U,Y,Q)
	0CFR562779-30	AG		C	Key top (H)
	0CFR562780-30	AG		C	Key top (G)
31	0CFR562778-31	AG		C	Key top (U,Y,Q)
	0CFR562779-31	AG		C	Key top (H)
	0CFR562780-31	AG		C	Key top (G)
32	0CFR562778-32	AG		C	Key top (U,Y,Q)
	0CFR562779-32	AG		C	Key top (H)
	0CFR562780-32	AG		C	Key top (G)
33	0CFR562778-33	AG		C	Key top (U,Y,Q)
	0CFR562779-33	AG		C	Key top (H)
	0CFR562780-33	AG		C	Key top (G)
34	0CFR562778-34	AG		C	Key top (U,Y,Q)
	0CFR562779-34	AG		C	Key top (H)
	0CFR562780-34	AG		C	Key top (G)
35	0CFR562778-35	AG		C	Key top (U,Y,Q)
	0CFR562779-35	AG		C	Key top (H)
	0CFR562780-35	AG		C	Key top (G)
36	0CFR562778-36	AG		C	Key top (U,Y,Q)
	0CFR562779-36	AG		C	Key top (H)
	0CFR562780-36	AG		C	Key top (G)
37	0CFR562778-37	AG		C	Key top (U,Y,Q)
	0CFR562779-37	AG		C	Key top (H)
	0CFR562780-37	AG		C	Key top (G)
38	0CFR562778-38	AG		C	Key top (U,Y,Q)
	0CFR562779-38	AG		C	Key top (H)
	0CFR562780-38	AG		C	Key top (G)
39	0CFR562778-39	AG		C	Key top (U,Y,Q)
	0CFR562779-39	AG		C	Key top (H)
	0CFR562780-39	AG		C	Key top (G)
40	0CFR562778-40	AG		C	Key top (U,Y,Q)
	0CFR562779-40	AG		C	Key top (H)
	0CFR562780-40	AG		C	Key top (G)
41	0CFR562778-41	AG		C	Key top (U,Y,Q)
	0CFR562779-41	AG		C	Key top (H)
	0CFR562780-41	AG		C	Key top (G)
42	0CFR562778-42	AG		C	Key top (U,Y,Q)
	0CFR562779-42	AG		C	Key top (H)
	0CFR562780-42	AG		C	Key top (G)
43	0CFR562778-43	AG		C	Key top (U,Y,Q)
	0CFR562779-43	AG		C	Key top (H)
	0CFR562780-43	AG		C	Key top (G)
44	0CFR562778-44	AN		C	Key top (U,Y,Q)
	0CFR562779-44	AK		C	Key top (H)
	0CFR562780-44	AK		C	Key top (G)
45	0CFR562778-45	AH		C	Key top (U,Y,Q)
	0CFR562779-45	AH		C	Key top (H)
	0CFR562780-45	AH		C	Key top (G)
46	0CFR562778-46	AG		C	Key top (U,Y,Q)
	0CFR562779-46	AG		C	Key top (H)
	0CFR562780-46	AG		C	Key top (G)
47	0CFR562778-47	AG		C	Key top (U,Y,Q)
	0CFR562779-47	AG		C	Key top (H)
	0CFR562780-47	AG		C	Key top (G)
48	0CFR562778-48	AG		C	Key top (U,Y,Q)
	0CFR562779-48	AG		C	Key top (H)
	0CFR562780-48	AG		C	Key top (G)
49	0CFR562778-49	AG		C	Key top (U,Y,Q)
	0CFR562779-49	AG		C	Key top (H)
	0CFR562780-49	AG		C	Key top (G)
50	0CFR562778-50	AG		C	Key top (U,Y,Q)
	0CFR562779-50	AG		C	Key top (H)
	0CFR562780-50	AG		C	Key top (G)
51	0CFR562778-51	AG		C	Key top (U,Y,Q)
	0CFR562779-51	AG		C	Key top (H)
	0CFR562780-51	AG		C	Key top (G)
52	0CFR562778-52	AG		C	Key top (U,Y,Q)
	0CFR562779-52	AG		C	Key top (H)
	0CFR562780-52	AG		C	Key top (G)
53	0CFR562778-53	AG		C	Key top (U,Y,Q)
	0CFR562779-53	AG		C	Key top (H)
	0CFR562780-53	AG		C	Key top (G)
54	0CFR562778-54	AG		C	Key top (U,Y,Q)
	0CFR562779-54	AG		C	Key top (H)

3 Keyboard

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
54	0CFR562780-54	AG		C	Key top	(G)
55	0CFR562778-55	AG		C	Key top	(U,Y,Q)
	0CFR562779-55	AG		C	Key top	(H)
	0CFR562780-55	AG		C	Key top	(G)
56	0CFR562778-56	AG		C	Key top	(U,Y,Q)
	0CFR562779-56	AG		C	Key top	(H)
	0CFR562780-56	AG		C	Key top	(G)
57	0CFR562779-57	AG		C	Key top	(H)
	0CFR562780-57	AG		C	Key top	(G)
58	0CFR562778-57	AH		C	Key top	(U,Y,Q)
	0CFR562779-58	AH		C	Key top	(H)
	0CFR562780-58	AH		C	Key top	(G)
59	0CFR562778-58	AG		C	Key top	(U,Y,Q)
	0CFR562779-59	AG		C	Key top	(H)
	0CFR562780-59	AG		C	Key top	(G)
60	0CFR562778-59	AG		C	Key top	(U,Y,Q)
	0CFR562779-60	AG		C	Key top	(H)
	0CFR562780-60	AG		C	Key top	(G)
61	0CFR562778-60	AG		C	Key top	(U,Y,Q)
	0CFR562779-61	AG		C	Key top	(H)
	0CFR562780-61	AG		C	Key top	(G)
62	0CFR562778-61	AG		C	Key top	(U,Y,Q)
	0CFR562779-62	AG		C	Key top	(H)
	0CFR562780-62	AG		C	Key top	(G)
63	0CFR562778-62	AG		C	Key top	(U,Y,Q)
	0CFR562779-63	AG		C	Key top	(H)
	0CFR562780-63	AG		C	Key top	(G)
64	0CFR562778-63	AG		C	Key top	(U,Y,Q)
	0CFR562779-64	AG		C	Key top	(H)
	0CFR562780-64	AG		C	Key top	(G)
65	0CFR562778-64	AG		C	Key top	(U,Y,Q)
	0CFR562779-65	AG		C	Key top	(H)
	0CFR562780-65	AG		C	Key top	(G)
66	0CFR562778-65	AG		C	Key top	(U,Y,Q)
	0CFR562779-66	AG		C	Key top	(H)
	0CFR562780-66	AG		C	Key top	(G)
67	0CFR562778-66	AG		C	Key top	(U,Y,Q)
	0CFR562779-67	AG		C	Key top	(H)
	0CFR562780-67	AG		C	Key top	(G)
68	0CFR562778-67	AG		C	Key top	(U,Y,Q)
	0CFR562779-68	AG		C	Key top	(H)
	0CFR562780-68	AG		C	Key top	(G)
69	0CFR562778-68	AH		C	Key top	(U,Y,Q)
	0CFR562779-69	AH		C	Key top	(H)
	0CFR562780-69	AH		C	Key top	(G)
70	0CFR562778-69	AG		C	Key top	(U,Y,Q)
	0CFR562779-70	AG		C	Key top	(H)
	0CFR562780-70	AG		C	Key top	(G)
71	0CFR562778-70	AG		C	Key top	(U,Y,Q)
	0CFR562779-71	AG		C	Key top	(H)
	0CFR562780-71	AG		C	Key top	(G)
72	0CFR562778-71	AG		C	Key top	(U,Y,Q)
	0CFR562779-72	AG		C	Key top	(H)
	0CFR562780-72	AG		C	Key top	(G)
73	0CFR562778-72	AG		C	Key top	(U,Y,Q)
	0CFR562779-73	AG		C	Key top	(H)
	0CFR562780-73	AG		C	Key top	(G)
74	0CFR562778-73	AM		C	Key top	(U,Y,Q)
	0CFR562779-74	AM		C	Key top	(H)
	0CFR562780-74	AM		C	Key top	(G)
75	0CFR562778-74	AG		C	Key top	(U,Y,Q)
	0CFR562779-75	AG		C	Key top	(H)
	0CFR562780-75	AG		C	Key top	(G)
76	0CFR562778-75	AG		C	Key top	(U,Y,Q)
	0CFR562779-76	AG		C	Key top	(H)
	0CFR562780-76	AG		C	Key top	(G)
77	0CFR562778-76	AH		C	Key top	(U,Y,Q)
	0CFR562779-77	AH		C	Key top	(H)
	0CFR562780-77	AH		C	Key top	(G)
78	0CFR562778-77	AH		C	Key top	(U,Y,Q)
	0CFR562779-78	AH		C	Key top	(H)
	0CFR562780-78	AH		C	Key top	(G)
79	0CFR562778-78	AH		C	Key top	(U,Y,Q)
	0CFR562779-79	AH		C	Key top	(H)
	0CFR562780-79	AH		C	Key top	(G)
80	0CFR562778-79	AH		C	Key top	(U,Y,Q)
	0CFR562779-80	AH		C	Key top	(H)
	0CFR562780-80	AH		C	Key top	(G)
101	0CF567664C///	AA		C	Rubber RT	
102	0CF567955A///	AA		C	Spring for space key	

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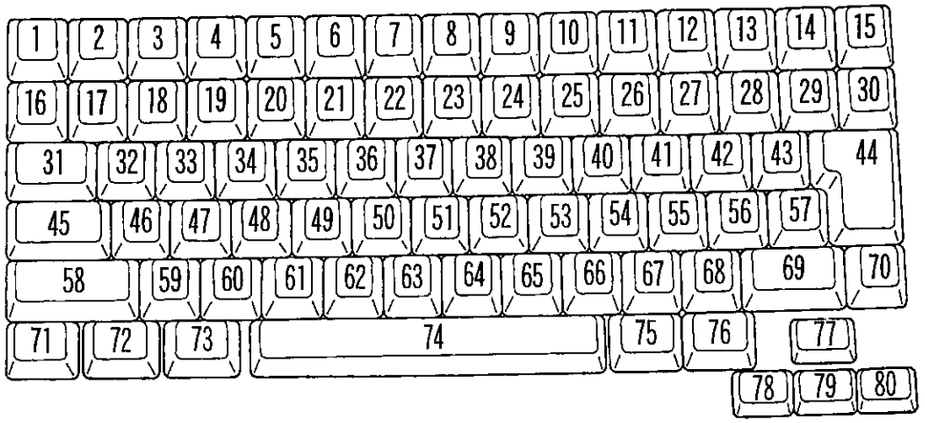
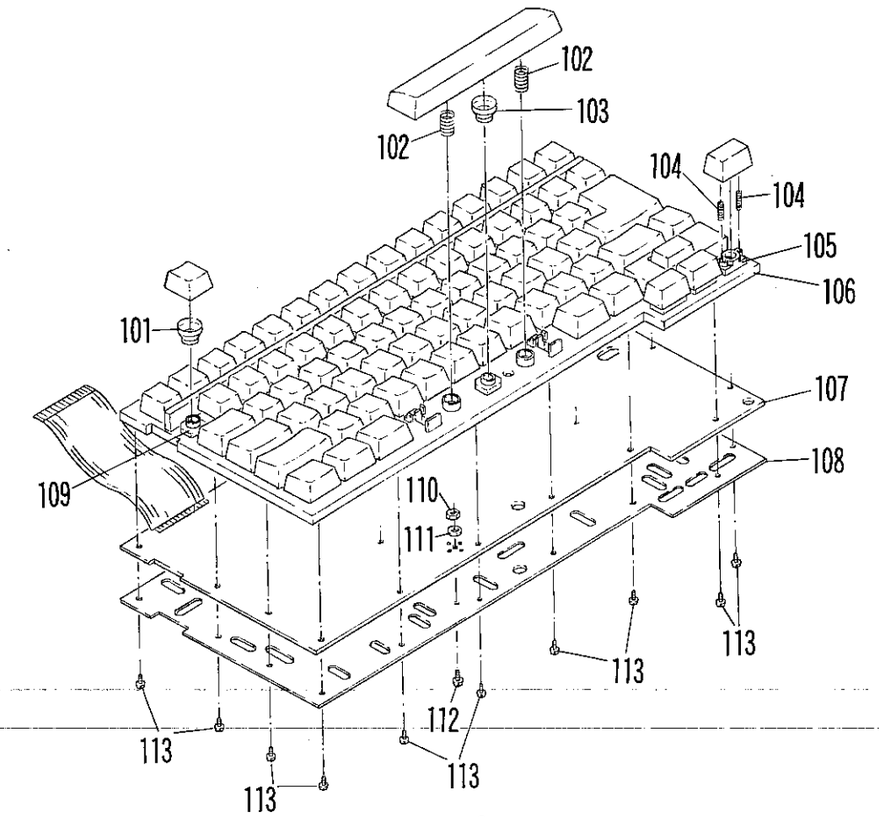
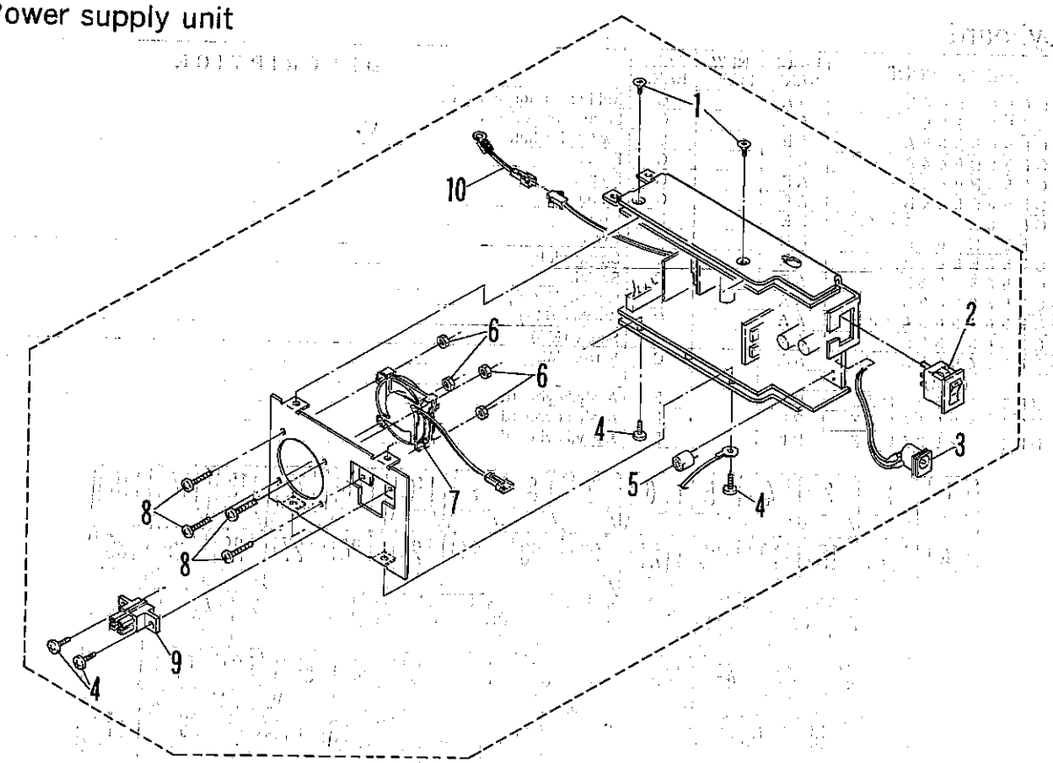
3 Keyboard

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
103	0CF567664D///	AA		C	Rubber RT for space key	
104	0CF56A185F///	AA		C	Spring for half key	
105	0CF565665A///	AB		C	Switch for half key	
106	0CF56B044A///	AP		C	Frame	(U,Y,Q)
	0CF56B044C///	AP		C	Frame	(H)
	0CF56B044B///	AP		C	Frame	(G)
107	0CF56H103A///	BB		E	PWB	(U,Y,Q)
	0CF56H103B///	BB		E	PWB	(H,G)
108	0CF56B064A///	AH		C	Shield plate	
109	0CF565524B///	AB		C	Switch	
110	0CF560940A///	AA		C	Nut (M3×0.5)	
111	0CF561565A///	AA		C	Washer (M3)	
112	0CF560088B///	AA		C	Screw (M3)	
113	0CF564965C///	AA		C	Screw (M2×6)	
	(Unit)					(U,Y,Q)
901	DUNT-2250ACZZ	BK		E	Ass'y,keyboard	(H)
	DUNT-2251ACZZ	BK		E	Ass'y,keyboard	(G)
	DUNT-2252ACZZ	BK		E	Ass'y,keyboard	

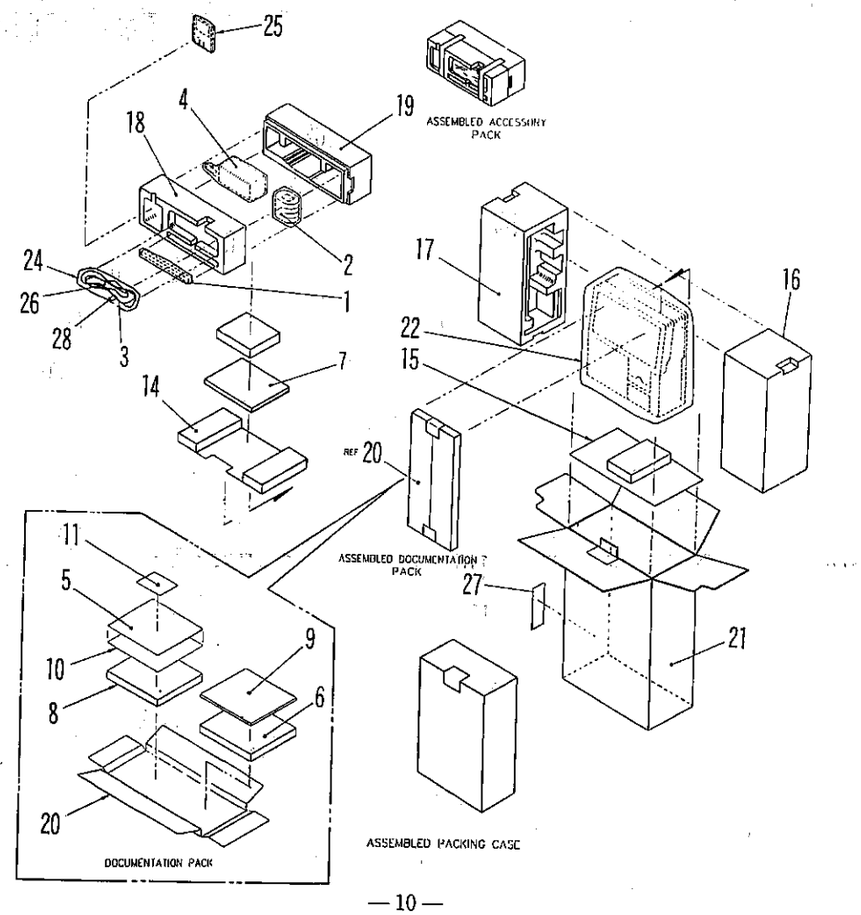




4 Power supply unit



5 Packing Material & Accessories



PC5751

4 Power supply unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	0CGPXT2B1S2///	AK		C	Screw (3×6)(for outer case)
2	0CGPXT2SW1////	AZ		B	P.S.switch [SW1]
3	0CGPXT2APJACK	AX		C	Adapter jack (with wire)
4	XBBSD30P05000	AA		C	Screw (3×5)
⚠ 5	0CGPXT2F2////	AX		A	Fuse [F2]
6	XNEBN30-24000	AC		C	Nut
7	0CGPXT2FAN////	BK		C	Fan (with connector & wire) [FA1]
8	XBPBN30P10000	AA		C	Screw (3×10)(for fan)
9	0CGPXT2CNB////	AX		C	Battery terminal (with pin) [CNB]
10	0CGPXT2TH////	BB		B	Thermister
	(Unit)				
⚠ 901	RDENC1022ACZZ	CB		E	Power supply unit

5 Packing Material & Accessories

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	LPLTP1028ACZZ	AH		D	Ten plate-SHARP
2	UBATN1008ACZZ	BS		B	Battery,nicad-386SXLT
⚠ 3	QACCV6321QCZZ	AT		B	Cord,AC-GERMANY
⚠ 3	QACCB7321QCZZ	AX		B	Cord,AC-ENGLAND [G]
⚠ 3	QACCL7321QCZZ	AT		B	Cord,AC-AUSTRALIA [H]
⚠ 4	RADPA1016ACZZ	BT		B	Adaptor,AC with cord SHARP [Q]
⚠ 4	RADPA1017ACZG	BU		B	AC adaptor,seeg-GERMANY [U,Y]
⚠ 4	RADPA1014ACZH	BT		B	AC adaptor,SUK&SCA ANY [G]
5	CCADZ1087AC02	AW	N	D	Service info pack,386SXLT [H,Q]
6	TINSE1570ACZZ	BN		D	Manual,GW BASIC-ENGSILH [U]
7	TINSE1622ACZZ	BK		D	Manual operetion-USA
7	TINSE1623ACZZ	BK		D	Manual operetion-CANADA [U]
7	TINSE1624ACZZ	BK		D	Manual operetion-SUK&SCA [Y]
8	TINSE1569ACZZ	BP		D	Manual,MS DOS-ENGLISH [H,Q]
9	TINSE1571ACZZ	BA		D	Manual,SHEEL-ENGLIS
10	TINSL1578ACZZ	AP		D	License agreement,386SXLT
11	TCADZ1075ACZZ	AF		D	Card,Registration [Y,H,Q]
11	TCADZ1075ACZA	AC		D	Card,Registration [G]
14	0ii2560922001	AL		D	Filler-386 Laptop
15	0ii2560923001	AM		D	Restraint-386 Laptop
16	SPAKA2110ACZZ	AK		D	Packing cushion L
17	SPAKA2111ACZZ	AK		D	Packing cushion R
18	SPAKA2112ACZA	AG		D	Accessory pack,Left
19	SPAKA2112ACZZ	AG		D	Accessory pack,Rght
20	0ii2560921001	AK		D	Manual add-386 Laptop
21	0ii2560825004	AY	N	D	Packing case
22	SSAKA0006WCZZ	AB		D	Bag,clear (15.75W×19.69L×002T)
24	SSAKA0001SCZZ	AA		D	Bag,clear (5.56W×14.19L×0015T)
25	SSAKA0019SCZZ	AA		D	Bag,clear (4.75W×7.18L×0015T)
26	UBNDA1008CCZZ	AA		C	Cable band,AC cord-SHARP
27	TLABB1381ACZZ	AC		D	Label,address
28	TCAUS1054CCZZ	AB		C	Caution TAG [Y]
101	GCASP5017SCZZ	AE		D	Media case [H]
102	TLABE1498ACZZ	AH		D	Media label(install)
103	TLABE1499ACZZ	AH		D	Media label(operating)
104	TLABE1500ACZZ	AH		D	Media label(shell)
105	TLABE1501ACZZ	AH		D	Media label(blank)
106	TLABE1555ACZZ	AH		D	Diskette label(diag)

6 Main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF) [C1]
2	VCCSTQ1HL100D	AA		C	Capacitor (50WV 10PF) [C2]
3	VCCSTQ1HL470J	AA		C	Capacitor (50WV 47PF) [C3]
4	VCCSTQ1HL100D	AA		C	Capacitor (50WV 10PF) [C4]
5	VCCSTQ1HL470J	AA		C	Capacitor (50WV 47PF) [C5]
6	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF) [C6]
7	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF) [C7]
8	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF) [C8]
9	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF) [C9]
10	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF) [C10]
11	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF) [C11]
12	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF) [C12]
13	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF) [C13]
14	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF) [C14]

6 Main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
15	VCKYTQ1HB222K	AA		C	Capacitor (50WV 2200PF)	[C15]
16	VCKYTQ1HB222K	AA		C	Capacitor (50WV 2200PF)	[C16]
17	VCKYTQ1HB222K	AA		C	Capacitor (50WV 2200PF)	[C17]
18	VCKYTQ1HB222K	AA		C	Capacitor (50WV 2200PF)	[C18]
19	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C19]
20	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C20]
21	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C21]
22	VCCSTQ1HL220J	AA		C	Capacitor (50WV 22PF)	[C22]
23	VCCSTQ1HL220J	AA		C	Capacitor (50WV 22PF)	[C23]
24	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C24]
25	VCCSTQ1HL150J	AA		C	Capacitor (50WV 15PF)	[C25]
26	VCCSTQ1HL150J	AA		C	Capacitor (50WV 15PF)	[C26]
27	VCCSTQ1HL100D	AA		C	Capacitor (50WV 10PF)	[C27]
28	VCCSTQ1HL100D	AA		C	Capacitor (50WV 10PF)	[C28]
29	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C29]
30	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C30]
31	VCCSTQ1HL470J	AA		C	Capacitor (50WV 47PF)	[C31]
32	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C35]
33	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C36]
34	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C37]
35	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C38]
36	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C39]
37	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C40]
38	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C41]
39	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C42]
40	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C43]
41	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C44]
42	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C45]
43	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C46]
44	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C47]
45	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C48]
46	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C50]
47	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C51]
48	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C52]
49	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C53]
50	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C54]
51	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C55]
52	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C56]
53	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C57]
54	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C58]
55	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C59]
56	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C61]
57	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C62]
58	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C63]
59	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C64]
60	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C65]
61	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C66]
62	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C67]
63	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C68]
64	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C69]
65	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C70]
66	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C71]
67	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C72]
68	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C73]
69	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C74]
70	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C75]
71	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C76]
72	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C77]
73	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C78]
74	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C79]
75	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C81]
76	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C82]
77	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C83]
78	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C84]
79	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C85]
80	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C86]
81	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C87]
82	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C88]
83	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C89]
84	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C90]
85	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C91]
86	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C92]
87	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C93]
88	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C94]
89	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C95]
90	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C96]
91	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C97]
92	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C98]
93	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C99]
94	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C100]

6 Main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
95	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C101]
96	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C102]
97	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C103]
98	0ii222130100 7	AH		C	Chip tant	[C104]
99	0ii222130100 7	AH		C	Chip tant	[C105]
100	0ii222130100 7	AH		C	Chip tant	[C106]
101	0ii222130100 7	AH		C	Chip tant	[C107]
102	0ii222130100 7	AH		C	Chip tant	[C108]
103	0ii222130100 7	AH		C	Chip tant	[C109]
104	0ii222130100 7	AH		C	Chip tant	[C110]
105	0ii222130100 7	AH		C	Chip tant	[C111]
106	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C112]
107	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C113]
108	0ii222130100 7	AH		C	Chip tant	[C114]
109	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C115]
110	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C116]
111	0ii222130100 7	AH		C	Chip tant	[C117]
112	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C118]
113	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C119]
114	0ii222130100 7	AH		C	Chip tant	[C120]
115	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C121]
116	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C122]
117	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C123]
118	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C124]
119	VCCSTQ1HL220J	AA		C	Capacitor (50WV 22PF)	[C125]
120	VCCSTQ1HL220J	AA		C	Capacitor (50WV 22PF)	[C126]
121	VCCSTQ1HL100D	AA		C	Capacitor (50WV 10PF)	[C128]
122	VCCSTQ1HL100D	AA		C	Capacitor (50WV 10PF)	[C130]
123	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C131]
124	0ii222130100 7	AH		C	Chip tant	[C132]
125	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C133]
126	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C134]
127	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C135]
128	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C136]
129	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C137]
130	VCCSTQ1HL271J	AA		C	Capacitor (50WV 270PF)	[C138]
131	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C139]
132	VCCSTQ1HL331J	AA		C	Capacitor (50WV 330PF)	[C140]
133	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C141]
134	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C142]
135	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C143]
136	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C144]
137	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C145]
138	VCCSTQ1HL471J	AA		C	Capacitor (50WV 470PF)	[C146]
139	VCCSTQ1HL471J	AA		C	Capacitor (50WV 470PF)	[C147]
140	VCCSTQ1HL471J	AA		C	Capacitor (50WV 470PF)	[C148]
141	VCCSTQ1HL471J	AA		C	Capacitor (50WV 470PF)	[C149]
142	VCCSTQ1HL471J	AA		C	Capacitor (50WV 470PF)	[C150]
143	VCCSTQ1HL471J	AA		C	Capacitor (50WV 470PF)	[C151]
144	VCCSTQ1HL471J	AA		C	Capacitor (50WV 470PF)	[C152]
145	VCCSTQ1HL471J	AA		C	Capacitor (50WV 470PF)	[C153]
146	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C154]
147	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C155]
148	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C156]
149	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C157]
150	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C158]
151	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C160]
152	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C161]
153	VCCSTQ1HL471J	AA		C	Capacitor (50WV 470PF)	[C162]
154	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C163]
155	VCCSTQ1HL471J	AA		C	Capacitor (50WV 470PF)	[C164]
156	VCCSTQ1HL470J	AA		C	Capacitor (50WV 47PF)	[C165]
157	VCCSTQ1HL470J	AA		C	Capacitor (50WV 47PF)	[C166]
158	VCCSTQ1HL100J	AA		C	Capacitor (50WV 10PF)	[C167]
159	VCCSTQ1HL100J	AA		C	Capacitor (50WV 10PF)	[C169]
160	VCCSTQ1HL100J	AA		C	Capacitor (50WV 10PF)	[C171]
161	VCCSTQ1HL100J	AA		C	Capacitor (50WV 10PF)	[C173]
162	VCCSTQ1HL470J	AA		C	Capacitor (50WV 47PF)	[C175]
163	VCCSTQ1HL470J	AA		C	Capacitor (50WV 47PF)	[C176]
164	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C177]
165	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C178]
166	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C179]
167	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C180]
168	VCCSTQ1HL101J	AA		C	Capacitor (50WV 100PF)	[C181]
169	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C182]
170	VCCSTQ1HL470J	AA		C	Capacitor (50WV 47PF)	[C183]
171	VCCSTQ1HL331J	AA		C	Capacitor (50WV 330PF)	[C184]
172	VCCSTQ1HL471J	AA		C	Capacitor (50WV 470PF)	[C185]
173	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C186]
174	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C187]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
175	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C188]
176	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C191]
177	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C192]
178	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C193]
179	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C194]
180	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C195]
181	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C196]
182	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C197]
183	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C198]
184	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C199]
185	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C200]
186	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C201]
187	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C202]
188	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C203]
189	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C204]
190	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C205]
191	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C206]
192	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C207]
193	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C208]
194	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C209]
195	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C210]
196	VCKYTQ1HB103M	AA		C	Capacitor (25WV 0.010μF)	[C211]
197	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C212]
198	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C213]
199	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C215]
200	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C216]
201	VCKYTQ1EF104Z	AA		C	Capacitor (25WV 0.10μF)	[C217]
202	VCKYTQ1HB102K	AA		C	Capacitor (50WV 1000PF)	[C218]
203	0ii2548278001	AF		B	Diode	[D2]
204	0ii2548278001	AF		B	Diode	[D3]
205	0ii2548278001	AF		B	Diode	[D4]
206	0ii2548278001	AF		B	Diode	[D5]
207	0ii2548278001	AF		B	Diode	[D6]
208	0ii2548278001	AF		B	Diode	[D7]
209	0ii2548278001	AF		B	Diode	[D8]
210	0ii2548278001	AF		B	Diode	[D9]
211	0ii2248478002	AE		C	Inductor (BL02RN2−R62T2)	[FB4]
212	0ii2248478002	AE		C	Inductor (BL02RN2−R62T2)	[FB5]
213	0ii2248478002	AE		C	Inductor (BL02RN2−R62T2)	[FB6]
214	0ii2248478002	AE		C	Inductor (BL02RN2−R62T2)	[FB7]
215	0ii2248478002	AE		C	Inductor (BL02RN2−R62T2)	[FB8]
216	0ii2248478002	AE		C	Inductor (BL02RN2−R62T2)	[FB9]
217	0ii2248478002	AE		C	Inductor (BL02RN2−R62T2)	[FB10]
218	0ii2248478002	AE		C	Inductor (BL02RN2−R62T2)	[FB11]
219	0ii2248478002	AE		C	Inductor (BL02RN2−R62T2)	[FB12]
220	0ii2248478002	AE		C	Inductor (BL02RN2−R62T2)	[FB13]
221	0ii2248478002	AE		C	Inductor (BL02RN2−R62T2)	[FB14]
222	0ii2211348002	AD		B	Jumper post (65500−102)(2P)	[J1]
223	0ii2211348002	AD		B	Jumper post (65500−102)(2P)	[J3]
224	0ii2248463001	AE		B	EMI suppressor	[L1]
225	0ii2248463001	AE		B	EMI suppressor	[L2]
226	0ii2248463001	AE		B	EMI suppressor	[L3]
227	0ii2248342022	AG		C	Inductor (5.6uH)	[L4]
228	0ii2248463001	AE		B	EMI suppressor	[L5]
229	0ii2248342022	AG		C	Inductor (5.6uH)	[L6]
230	0ii2248342022	AG		C	Inductor (5.6uH)	[L7]
231	0ii2248342022	AG		C	Inductor (5.6uH)	[L8]
232	0ii2248342022	AG		C	Inductor (5.6uH)	[L9]
233	0ii2248342022	AG		C	Inductor (5.6uH)	[L10]
235	0ii2248463001	AE		B	EMI suppressor	[L12]
236	0ii2248463001	AE		B	EMI suppressor	[L13]
237	0ii2248463001	AE		B	EMI suppressor	[L14]
238	0ii2248463001	AE		B	EMI suppressor	[L15]
239	VRS−TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[L17]
240	VRS−TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[L18]
241	VRS−TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[L19]
242	QCNCM5041SC9F	AT		C	DIN connector 96−POS,3−ROW (96pin)	[P1]
243	QCNCM2346SC4J	AL		C	Header (40pin)	[P2]
244	QCNCM2346SC3D	AL		C	Header (34pin)	[P3]
245	QCNCW1152AC1E	AQ		C	Connector D−SUB(female) (15pin)	[P5]
246	QCNCW1115AC0i	AL		C	Connector D−SUB 2ROW female (9pin)	[P6]
247	QCNCW1115AC2E	AK		C	Connector D−SUB 2ROW female (25pin)	[P7]
248	QCNCM1153AC0i	AL		C	Connector D−SUB 2ROW male (9pin)	[P8]
249	QCNCM2351SC2J	AG		C	LCD connector (20pin)	[P9]
250	QCNCW5079SC6J	AP		C	Connector 60−POS,RT angle,2ROW (60pin)	[P11]
251	QCNCM2303SC0H	AB		C	Connector (8pin)(IL−G−8Pタテ)	[P12]
252	QCNCM2353SC1B	AB		C	Connector (12pin)	[P13]
253	QCNCM2466RC3D	AK		C	Modem connector (34pin)	[P14]
254	QCNCM2353SC0i	AB		C	Connector (9pin)	[P15]
255	0ii2211348005	AH		C	Connector (5pin,1−ROW,STR,P16)	[P16]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
256	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R1]
257	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R2]
258	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R3]
259	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R4]
260	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R5]
261	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R6]
262	VRS-TS2AD220J	AA		C	Resistor (1/10W 22Ω ±5%)	[R8]
263	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R9]
264	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R10]
265	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R11]
266	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R12]
267	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R13]
268	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R14]
269	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R15]
270	VRS-TS2AD270J	AA		C	Resistor (1/10W 27Ω ±5%)	[R16]
271	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R17]
272	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R18]
273	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R19]
274	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R20]
275	VRS-TS2AD000J	AA		C	Resistor (1/10W 0Ω ±5%)	[R21] [L16]
276	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R22]
277	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R23]
278	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R24]
279	0ii2221287106	AA		C	Resistor (147Ω)	[R25]
280	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R26]
281	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R27]
282	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R28]
283	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R29]
284	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R32]
285	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R33]
286	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R34]
287	VRS-TS2AD270J	AA		C	Resistor (1/10W 27Ω ±5%)	[R35]
288	VRS-TS2AD270J	AA		C	Resistor (1/10W 27Ω ±5%)	[R36]
289	VRS-TS2AD270J	AA		C	Resistor (1/10W 27Ω ±5%)	[R37]
290	VRS-TS2AD270J	AA		C	Resistor (1/10W 27Ω ±5%)	[R38]
291	VRS-TS2AD270J	AA		C	Resistor (1/10W 27Ω ±5%)	[R39]
292	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R45]
293	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R46]
294	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R47]
295	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R48]
296	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R49]
297	VRS-TS2AD225J	AA		C	Resistor (1/10W 2.2MΩ ±5%)	[R50]
298	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R51]
299	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R52]
300	VRS-TS2AD750J	AA		C	Resistor (1/10W 75Ω ±5%)	[R53]
301	VRS-TS2AD750J	AA		C	Resistor (1/10W 75Ω ±5%)	[R54]
302	VRS-TS2AD750J	AA		C	Resistor (1/10W 75Ω ±5%)	[R55]
303	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R56]
304	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R58]
305	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R59]
306	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R60]
307	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R61]
308	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R62]
309	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R63]
310	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R64]
311	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R65]
312	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R66]
313	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R67]
314	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R68]
315	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R69]
316	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R70]
317	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R71]
318	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R72]
319	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R73]
320	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R74]
321	VRS-TS2AD560J	AA		C	Resistor (1/10W 56Ω ±5%)	[R76]
322	VRS-TS2AD220J	AA		C	Resistor (1/10W 22Ω ±5%)	[R77]
323	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R78]
324	VRS-TS2AD560J	AA		C	Resistor (1/10W 56Ω ±5%)	[R80]
325	VRS-TS2AD560J	AA		C	Resistor (1/10W 56Ω ±5%)	[R81]
326	VRS-TS2AD222J	AA		C	Resistor (1/10W 2.2KΩ ±5%)	[R82]
327	VRS-TS2AD222J	AA		C	Resistor (1/10W 2.2KΩ ±5%)	[R83]
328	VRS-TS2AD222J	AA		C	Resistor (1/10W 2.2KΩ ±5%)	[R84]
329	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R85]
330	VRS-TS2AD562J	AA		C	Resistor (1/10W 5.6KΩ ±5%)	[R86]
331	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R90]
332	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R91]
333	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R92]
334	VRS-TS2AD470J	AA		C	Resistor (1/10W 47Ω ±5%)	[R93]
335	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R95]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
336	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R96]
337	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R97]
338	VRS-TS2AD330J	AA		C	Resistor (1/10W 33Ω ±5%)	[R100]
339	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R101]
340	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R102]
341	VRS-TS2AD270J	AA		C	Resistor (1/10W 27Ω ±5%)	[R103]
342	VRS-TS2AD270J	AA		C	Resistor (1/10W 27Ω ±5%)	[R104]
343	VRS-TS2AD270J	AA		C	Resistor (27Ω ±5%)	[R105]
344	VRS-TS2AD472J	AA		C	Resistor (1/10W 4.7KΩ ±5%)	[R106]
345	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R107]
346	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R108]
347	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R111]
348	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R112]
349	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R114]
350	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R115]
351	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R116]
352	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R117]
353	VRS-TS2AD562J	AA		C	Resistor (1/10W 5.6KΩ ±5%)	[R118]
354	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R119]
355	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R121]
356	VRS-TS2AD562J	AA		C	Resistor (1/10W 5.6KΩ ±5%)	[R122]
357	VRS-TS2AD562J	AA		C	Resistor (1/10W 5.6KΩ ±5%)	[R123]
358	VRS-TS2AD562J	AA		C	Resistor (1/10W 5.6KΩ ±5%)	[R125]
359	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R130]
360	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R131]
361	VRS-TS2AD684J	AA		C	Resistor (1/10W 680KΩ ±5%)	[R132]
362	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R133]
363	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R134]
364	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R135]
365	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R136]
366	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R137]
367	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R138]
368	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R139]
369	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R140]
370	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R141]
371	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R142]
372	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R143]
373	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R144]
374	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R145]
375	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R146]
376	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R147]
377	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R148]
378	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R149]
379	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R150]
380	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R151]
381	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R152]
382	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R153]
383	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R154]
384	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R155]
385	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R156]
386	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R157]
387	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R158]
388	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R159]
389	VRS-TS2AD102J	AA		C	Resistor (1/10W 1.0KΩ ±5%)	[R166]
390	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R167]
391	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R168]
392	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R169]
393	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R170]
394	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R171]
395	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R172]
396	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R173]
397	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R187]
398	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R188]
399	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R189]
400	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R190]
401	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R191]
402	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R192]
403	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R193]
404	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R194]
405	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R195]
406	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R196]
407	VRS-TS2AD103J	AA		C	Resistor (1/10W 10KΩ ±5%)	[R197]
408	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R206]
409	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R207]
410	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R208]
411	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R209]
412	VRS-TS2AD331J	AA		C	Resistor (1/10W 330Ω ±5%)	[R210]
413	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R211]
414	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R212]
415	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R213]

6 Main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
416	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R214]
417	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R216]
418	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R217]
419	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R219]
420	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R220]
421	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R221]
422	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R222]
423	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R223]
424	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R224]
425	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R226]
426	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R227]
427	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R228]
428	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R229]
429	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R230]
430	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R231]
431	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R232]
432	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R233]
433	VRS-TS2AD223J	AA		C	Resistor (1/10W 22KΩ ±5%)	[R234]
434	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R235]
435	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R236]
436	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R240]
437	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R241]
438	VRS-TS2AD151J	AA		C	Resistor (1/10W 150Ω ±5%)	[R242]
439	0ii2248301042	AN		B	Resistor network CTS (22Ω)	[RP01]
440	0ii2248301042	AN		B	Resistor network CTS (22Ω)	[RP02]
441	0ii2248301042	AN		B	Resistor network CTS (22Ω)	[RP03]
442	0ii2248301042	AN		B	Resistor network CTS (22Ω)	[RP04]
443	0ii2248301010	AM		B	Resistor network CTS (10KΩ)	[RP05]
444	0ii2248301011	AM		B	Resistor network CTS (33KΩ)	[RP06]
445	QSW-Z1043ACZZ	AM		B	DIP switch 100"X.300"GR2D (8p)	[SW1]
446	QSW-S1077ACZZ	AE		B	Slide switch (3p)	[SW2]
447	0ii2248472007	BA		B	Crystal OSC (16MHz)	[U1]
448	0ii2248472005	BA		B	Crystal OSC (9.6MHz)	[U2]
449	VHi80C42G//-1	AT		B	SUB CPU (80C42G)	[U3]
450	0ii2548377002	AG		B	IC (74HCT125D)	[U4]
451	0ii2247914003	AE		B	IC (74HCT04D)	[U5]
452	0ii2548360002	BH		B	LSI FDC (WD37C65BJM-00)	[U6]
453	0ii2221098002	AG		B	IC (74HCT373D)	[U7]
454	RCRSZ1043ACZZ	AQ		B	Crystal (1.8432MHz)	[U8]
455	0ii2548188001	BG		B	LSI (VLI16C452F)	[U9]
456	0ii2247493002	AG		B	IC (74HCT245DW)	[U10]
457	0ii2247493002	AG		B	IC (74HCT245DW)	[U11]
458	VHiDS14C88M/1	AM		B	IC (DS14C88M)	[U12]
459	VHi2464/AAB0B	BF		B	IC (TMM2464AF)	[U13]
460	0ii2221092003	AG		B	IC (74HCT244DW)	[U14]
461	VHiT80C50AF-2	AU		B	KEY controller (T80C50AF-2)	[U15]
462	VHiDS14C89AM1	AM		B	IC (DS14C89AM)	[U16]
463	0ii2548403005	BX	N	B	LSI MCU (TACT83442)(20MHz)	[U17]
464	VHiDS14C89AM1	AM		B	IC (DS14C89AM)	[U18]
465	RCRSZ1051ACZZ	AR		B	Crystal (40MHz)	[U19]
466	0ii2548269002	AQ		B	IC (74ACT245)	[U20]
467	RCRSZ1001DCZZ	AP		B	Crystal (14.318MHz)	[U21]
468	0ii2548403001	BM		B	LSI DPU (TACT83441)(20MHz)	[U22]
469	0ii2548291002	AR		B	IC (74ACT244SC)	[U24]
470	VHi80386SX-20	CP		B	IC (80386SX-20)	[U25]
471	0ii2548490001	AF		B	IC (74HC32A)	[U26]
472	RCRSZ1005DCZZ	AP		B	Crystal (16.257MHz)	[U27]
473	RCRSZ1004DCZZ	AP		B	Crystal (28.322MHz)	[U28]
474	RCRSZ1003DCZZ	AP		B	Crystal (25.175MHz)	[U29]
475	0ii2548291002	AR		B	IC (74ACT244SC)	[U30]
476	0ii2548218002	AH		B	IC (74F125)	[U31]
477	0ii2560924002	BA	N	B	LSI ATU (TACT83443)(20MHz)	[U32]
478	VHi514256AZT1	BE		B	D-RAM (TC514256AZT1)	[U33]
479	VHi514256AZT1	BE		B	D-RAM (TC514256AZT1)	[U34]
480	VHi514256AZT1	BE		B	D-RAM (TC514256AZT1)	[U35]
481	VHi514256AZT1	BE		B	D-RAM (TC514256AZT1)	[U36]
482	0ii2548291002	AR		B	IC (74ACT244SC)	[U37]
483	0ii2548289002	AM		B	IC (74ACT157)	[U38]
484	0ii2548415001	AH		B	IC (74ACT11030D)	[U40]
485	VHiTM41464AZ1	AV		B	VRAM(64KBIT×4) (TM41464AZ1)	[U41]
486	VHiTM41464AZ1	AV		B	VRAM(64KBIT×4) (TM41464AZ1)	[U42]
487	VHiTM41464AZ1	AV		B	VRAM(64KBIT×4) (TM41464AZ1)	[U43]
488	VHiTM41464AZ1	AV		B	VRAM(64KBIT×4) (TM41464AZ1)	[U44]
489	VHiTM41464AZ1	AV		B	VRAM(64KBIT×4) (TM41464AZ1)	[U45]
490	VHiTM41464AZ1	AV		B	VRAM(64KBIT×4) (TM41464AZ1)	[U46]
491	VHiTM41464AZ1	AV		B	VRAM(64KBIT×4) (TM41464AZ1)	[U47]
492	VHiTM41464AZ1	AV		B	VRAM(64KBIT×4) (TM41464AZ1)	[U48]
493	0ii2221092003	AG		B	IC (74HCT244DW)	[U49]
494	0ii2221092003	AG		B	IC (74HCT244DW)	[U50]
495	VHi82C455//-1	BY		B	ASCII VGA LSI (82C455)	[U52]

6 Main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
496	0ii2548417001	BN		B	LSI ramdac (BT475KPJ50)	[U53]
497	0ii2548158002	AE		B	IC (74HCT74)	[U54]
498	0ii2221092003	AG		B	IC (74HCT244DW)	[U55]
499	0ii2548157002	AH		B	IC (74HCT273D)	[U56]
500	0ii2548291002	AR		B	IC (74ACT244SC)	[U57]
501	0ii2548291002	AR		B	IC (74ACT244SC)	[U58]
502	0ii2548291002	AR		B	IC (74ACT244SC)	[U59]
503	0ii2548157002	AH		B	IC (74HCT273D)	[U60]
504	0ii2548291002	AR		B	IC (74ACT244SC)	[U61]
505	0ii2548289002	AM		B	IC (74ACT157)	[U62]
506	0ii2548289002	AM		B	IC (74ACT157)	[U63]
507	0ii2548289002	AM		B	IC (74ACT157)	[U64]
508	0ii2548382002	AH		B	IC (74ACT00)	[U100]
509	0ii2548453001	AG		B	IC (CD74AC02M)	[U101]
510	0ii2548157002	AH		B	IC (74HCT273D)	[U102]
511	0ii2548453001	AG		B	IC (CD74AC02M)	[U103]
512	0ii2221099002	AF		B	IC (74HCT138)	[U104]
513	0ii2221099002	AF		B	IC (74HCT138)	[U105]
514	0ii2548257002	AE		B	IC (74HCT21)	[U106]
515	0ii2548218002	AH		B	IC (74F125)	[U107]
516	0ii2221099002	AF		B	IC (74HCT138)	[U108]
517	0ii2221099002	AF		B	IC (74HCT138)	[U109]
518	0ii2548293002	AH		B	IC (74ACT08)	[U110]
519	0ii2548451001	AG		B	IC (74AC32)	[U111]
520	0ii2548158002	AE		B	IC (74HCT74)	[U112]
521	0ii2548218002	AH		B	IC (74F125)	[U113]
522	0ii2220986002	AE		B	IC (74HC74)	[U114]
523	0ii2548257002	AE		B	IC (74HCT21)	[U115]
524	0ii2548407001	AK		B	IC (CD74ACT74M)	[U116]
525	0ii2248122002	AH		B	IC (74AC74)	[U117]
526	0ii2548451001	AG		B	IC (74AC32)	[U118]
527	0ii2221069002	AE		B	IC (MC74HC02AD)	[U119]
528	0ii2221099002	AF		B	IC (74HCT138)	[U120]
529	0ii2548254002	AE		B	IC (74HCT08D)	[U121]
530	0ii2548453001	AG		B	IC (CD74AC02M)	[U124]
531	0ii2548415001	AH		B	IC (74ACT11030D)	[U125]
532	0ii2548411002	AK		B	IC (74AC11D)	[U126]
533	0ii2548382002	AH		B	IC (74ACT00)	[U127]
534	0ii2548415001	AH		B	IC (74ACT11030D)	[U128]
535	0ii2247493002	AG		B	IC (74HCT245DW)	[U129]
536	0ii2247493002	AG		B	IC (74HCT245DW)	[U130]
537	0ii2247872005	AE		B	IC (74HC86)	[U131]
538	0ii2247872005	AE		B	IC (74HC86)	[U132]
539	0ii2548383002	AK		B	IC (74ACT04)	[U133]
540	0ii2221092003	AG		B	IC (74HCT244DW)	[U134]
541	0ii2221092003	AG		B	IC (74HCT244DW)	[U135]
542	0ii2548218002	AH		B	IC (74F125)	[U136]
543	0ii2221349002	AG		B	IC (74HCT157)	[U137]
544	0ii2548289002	AM		B	IC (74ACT157)	[U138]
545	0ii2548453001	AG		B	IC (CD74AC02M)	[U139]
546	0ii2548218002	AH		B	IC (74F125)	[U140]
547	0ii2548407001	AK		B	IC (CD74ACT74M)	[U141]
548	0ii2548218002	AH		B	IC (74F125)	[U142]
549	RCRSZ1031ACZZ	AK		B	Crystal (HC-49/U-S 6000MHz)	[X1]
550	0ii2220168001	AN		B	Crystal (32.768KHz)	[X3]
551	0ii2248006001	AF		C	Jumper (68786-202)	[XJ1]
552	0ii2248006001	AF		C	Jumper (68786-202)	[XJ3]
553	QSOCZE068HCZZ	AX		C	IC Socket (68pin)	[XU23]
554	0ii2248429002	AX		C	IC socket (821977-1)	[XU39]
555	0ii2248429002	AX		C	IC socket (821977-1)	[XU51]
556	LANGT1188ACZZ	AH		C	Connector angle	
557	LX-BZ114ICCZZ	AA		C	Screw	
558	MSPRP1012ACZZ	AC		C	Connector	
559	QCNCW2371SC2D	AD		C	FPC connector (24pin)	
560	QCNCW2371SC2E	AD		C	KEY connector (25pin)	
561	XBPSC30P08000	AA		C	Screw (3×8)	
562	PSHEZ1037ACZZ	AA		C	Insulator sheet	
	(Unit)					
901	DUNTK2543CTZZ	**		E	Main PWB unit	

7 SUB PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	QCNCW2371SC2D	AD		C	FPC connector (24pin)	[CNS1]
2	QCNCM5003SC0B	AA		B	Speaker connector (2pin)	[CNS2]
3	QCNCW5054SC0F	AG		C	Mini DIN connector (6pin)	[CNS3]

7 SUB PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
4	QSW-S1077ACZZ	AE		B	Slide switch	[SWS1]
5	RC-KZ1054CCZZ	AB		C	Capacitor (0.1μF)	[C9,10]
6	RCILZ1008ACZZ	AG		C	Coil (330μF)	[L1]
7	RCORF6632RCZZ	AC		C	Core	[FB1~5]
8	RVR-Z2400QCN1	AF		B	Variable resistor (20KΩ)	[VRS1]
9	RVR-Z5300QCN1	AE		B	Variable resistor (5KΩ)	[VRS2]
10	UBATN1004ACZZ	AT		A	Battery (3-51FT-B)	
11	VCEAEU1VW476M	AB		C	Capacitor (35WV 47μF)	[C3]
12	VCEAJU0JW107M	AB		C	Capacitor (6.3WV 100μF)	[C4]
13	VCEAJU1CW106M	AB		C	Capacitor (16WV 10μF)	[C8]
14	VCEAJU1CW476M	AB		C	Capacitor (16WV 47μF)	[C2]
15	VCEAJU1HW335M	AB		C	Capacitor (50WV 3.3μF)	[C6,7]
16	VCKYPU1HB561K	AA		C	Capacitor (50WV 560PF)	[C1]
17	VHDAK03////-1	AC		B	Diode (AK03)	[D1,6]
18	VHDDA203///-1	AC		B	Diode (DA203)	[D5]
19	VHDDSS133HV-1	AA		B	Diode (1SS133)	[D2,3,4]
20	VHiiR3M03A/-1	AH		B	IC (IR3M03A)	[IC1]
21	VRD-RC2EY000J	AA		C	Resistor (1/4W 0Ω ±5%)	[R9,12]
22	VRD-RC2EY1R3J	AA		C	Resistor (1/4W 1.3Ω ±5%)	[R4,7]
23	VRD-RC2EY102J	AA		C	Resistor (1/4W 1.0KΩ ±5%)	[R6]
24	VRD-RC2EY103J	AA		C	Resistor (1/4W 10KΩ ±5%)	[R11]
25	VRD-RC2EY122J	AA		C	Resistor (1/4W 1.2KΩ ±5%)	[R8]
26	VRD-RC2EY152J	AA		C	Resistor (1/4W 1.5KΩ ±5%)	[R16]
27	VRD-RC2EY153J	AA		C	Resistor (1/4W 15KΩ ±5%)	[R20]
28	VRD-RC2EY331J	AA		C	Resistor (1/4W 330Ω ±5%)	[R10]
29	VRD-RC2EY332J	AA		C	Resistor (1/4W 3.3KΩ ±5%)	[R2,19]
30	VRD-RC2EY333J	AA		C	Resistor (1/4W 33KΩ ±5%)	[R3]
31	VRD-RC2EY391J	AA		C	Resistor (1/4W 390Ω ±5%)	[R17]
32	VRD-RC2EY4R7J	AA		C	Resistor (1/4W 4.7Ω ±5%)	[R14,15]
33	VRD-RC2EY472J	AA		C	Resistor (1/4W 4.7KΩ ±5%)	[R18]
34	VRD-RC2EY473J	AA		C	Resistor (1/4W 47KΩ ±5%)	[R1,13]
35	VRD-RB2HY122J	AA		C	Resistor (1/2W 1.2KΩ ±5%)	[R5]
36	VSDTA144-//-1	AC		B	Transistor (DTA144)	[Q2]
37	VSDTC114Y//-1	AC		B	Transistor (DTC114Y)	[Q3]
38	VS2SA937-R/-1	AC		B	Transistor (2SA937-R)	[Q4]
39	VS2SB822-//-1	AD		B	Transistor (2SB822)	[Q1]
40	VS2SC2021-RSC	AF		B	Transistor (2SC2021-RSC)	[Q5,6,7]
41	VCKYPU1HB221K	AB		C	Capacitor (50WV 220pF)(H,G,Q)	[C11,12]
	(Unit)					
901	CPWBS1180AC02	BH		E	SUB PWB unit	(H,G,Q)
	CPWBS1180AC03	BH		E	SUB PWB unit	(U,Y)

8 LED PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	QCNW-1281ACZZ	AQ		C	LED cable	
2	VHPGL9ND2//-1	AE		B	Photo transistor (GL9ND2)	[D2]
3	VHPGL9NG2//-1	AB		B	LED (GL9NG2)	[D1,3~7]
4	VRD-RC2EY331J	AA		C	Resistor (1/4W 330Ω ±5%)	[R1~3]
	(Unit)					
901	CPWBF1182AC01	AY		E	LED PWB unit	

9 LCD PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	QCNCM2351SC2J	AG		C	Connector (20pin)	[CN2]
2	QCNCW7007SC1F	AC		C	FPC connector (16pin)	[CN1]
3	QSW-P1067ACZZ	AD		B	Mini push switch	[SW1]
	(Unit)					
901	CPWBS1181AC01	AT		E	LCD PWB unit	

■ Index

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
[C]				
CCADZ1087AC02	5- 5	AW	N	D
CPWBF1182AC01	1- 28	AY		E
//	8- 901	AY		E
CPWBS1180AC02	2- 17	BH		E
//	7- 901	BH		E
CPWBS1180AC03	2- 17	BH		E
//	7- 901	BH		E
CPWBS1181AC01	1- 11	AT		E
//	9- 901	AT		E
[D]				
DUNT-2250ACZZ	2- 3	BK		E
//	3- 901	BK		E
DUNT-2251ACZZ	2- 3	BK		E
//	3- 901	BK		E
DUNT-2252ACZZ	2- 3	BK		E
//	3- 901	BK		E
DUNTK2236ACZA	1- 7	CT		E
DUNTK2282ACZZ	1- 12	AX		E
DUNTK2480ACSA	2- 21	BX		E
DUNTK2480ACZZ	2- 21	BX		E
DUNTK2543CTZZ	2- 27	**		E
//	6- 901	**		E
[G]				
GCABA1062ACSD	2- 12	BC		D
GCABA1062ACZZ	2- 12	BC		D
GCABB1063ACSD	1- 30	BH		D
GCABB1063ACZZ	1- 30	BE		D
GCABC1064ACSE	1- 1	AZ		D
GCABC1064ACSG	1- 1	AZ		D
GCABD1065ACSD	1- 17	AY		D
GCABD1065ACZZ	1- 17	AX		D
GCASP5017SCZZ	5- 101	AE		D
GCOVP1036ACSD	1- 32	AA		D
GCOVP1036ACZZ	1- 32	AG		D
GCOVP1037ACSD	1- 13	AC		C
GCOVP1037ACZZ	1- 13	AC		C
GFTAZ1048ACSA	2- 7	AH		D
GFTAZ1048ACZZ	2- 7	AH		D
GLEGG1019CCZZ	2- 8	AB		C
GLEGG1024CCZZ	1- 29	AA		C
[H]				
HPNLC1041ACSA	1- 22	AE		D
HPNLC1041ACZZ	1- 22	AE		D
[J]				
JHNDP1006ACSA	2- 4	AG		D
JHNDP1006ACZZ	2- 4	AG		D
[L]				
LANGT1186ACZZ	1- 25	AC		C
LANGT1187ACZZ	2- 24	AH		C
LANGT1188ACZZ	2- 30	AH		C
//	6- 556	AH		C
LANGT1189ACZZ	1- 24	AD		C
LANGT1190ACSA	2- 5	AE		C
LANGT1190ACZZ	2- 5	AE		C
LBNDJ0002FCZZ	1- 27	AA		C
LBNDJ0042FCZZ	1- 33	AA		C
LHLDW0730FCZZ	1- 23	AB		C
LPLTP1028ACZZ	5- 1	AH		D
LPLTP1033ACSA	1- 18	AD		D
LPLTP1033ACZZ	1- 18	AD		D
LSTPZ1001ACSA	1- 15	AC		C
LSTPZ1001ACZZ	1- 15	AC		C
LX-BZ1034ACZZ	2- 20	AA		C
LX-BZ1141CCZZ	2- 32	AA		C
//	6- 557	AA		C
LX-BZ1182CCZZ	2- 18	AB		C
[M]				
MSPRP1012ACZZ	2- 40	AC		C
//	6- 558	AC		C
MSPRP1013ACZZ	1- 14	AA		C
MSPRP1014ACZZ	2- 41	AB		C
MSPRP1015ACZZ	2- 42	AB		C
//	2- 44	AB		C
MSPRP1016ACZZ	2- 43	AH		C
MSPRP7039SCZZ	1- 35	AD		C
//	2- 45	AD		C
[P]				
PCAPH1013ACSA	2- 37	AC		C
PCAPH1013ACZZ	2- 37	AC		C
PCAPH1014ACZZ	2- 33	AD		C
PCAPH1015ACZZ	2- 35	AC		C
PCAPH1016ACZZ	2- 34	AD		C
PCUSS1019ACZZ	2- 13	AA		D
PCUSS1028ACZZ	1- 16	AA		C
PCUSS1031ACZZ	1- 20	AA		C
PDMP-1004ACZZ	1- 4	AX		C
PDMP-1005ACZZ	1- 3	AX		C
PGUMM1562CCZA	2- 19	AD		C
PSHEZ1037ACZZ	6- 562	AA		C
PSHEZ1040ACZZ	2- 28	AK		C
PSHEZ1042ACZZ	1- 2	AE		C
PSLDM1015ACZZ	2- 29	AL		C
PTPEZ1010ACZZ	1- 36	AC		C
PTPEZ1011ACZZ	1- 37	AD		C
[Q]				
QACCB7321QCZZ	2- 47	AX		B
//	5- 3	AX		B
QACCL7321QCZZ	2- 47	AT		B
//	5- 3	AT		B
QACCV6321QCZZ	2- 47	AT		B
//	5- 3	AT		B
QCNCM1153AC0i	6- 248	AL		C
QCNCM2303SC0H	6- 251	AB		C
QCNCM2346SC3D	6- 244	AL		C
QCNCM2346SC4J	6- 243	AL		C
QCNCM2351SC2J	6- 249	AG		C
//	9- 1	AG		C
QCNCM2353SC0i	6- 254	AB		C
QCNCM2353SC1B	6- 252	AB		C
QCNCM2466RC3D	6- 253	AK		C
QCNCM5003SC0B	7- 2	AA		B
QCNCM5041SC9F	6- 242	AT		C
QCNCW1115AC0i	6- 246	AL		C
QCNCW1115AC2E	6- 247	AK		C
QCNCW1152AC1E	6- 245	AQ		C
QCNCW2371SC2D	6- 559	AD		C
//	7- 1	AD		C
QCNCW2371SC2E	6- 560	AD		C
QCNCW5054SC0F	7- 3	AG		C
QCNCW5079SC6J	6- 250	AP		C
QCNCW7007SC1F	9- 2	AC		C
QCNW-1277ACZZ	2- 22	AR		C
QCNW-1281ACZZ	8- 1	AQ		C
QCNW-1282ACZZ	2- 15	AD		B
QCNW-1283ACZZ	2- 16	AE		C
QCNW-1286ACZZ	2- 36	AD		C
QCNW-1301ACZZ	1- 34	AC		C
//	2- 23	AC		C
QCNW-1303ACZZ	1- 8	AQ		C
QCNW-1304ACZZ	1- 9	AZ		C
QCNW-1305ACZZ	2- 26	AX		C
QSOCZE068HCZZ	6- 553	AX		C
QSW-P1067ACZZ	9- 3	AD		B
QSW-S1077ACZZ	6- 446	AE		B
//	7- 4	AE		B
QSW-Z1043ACZZ	6- 445	AM		B
[R]				
RADPA1014ACZH	2- 46	BT		B
//	5- 4	BT		B
RADPA1016ACZZ	2- 46	BT		B
//	5- 4	BT		B
RADPA1017ACZG	2- 46	BU		B
//	5- 4	BU		B
RALMB1007HCZZ	2- 14	AK		C
RC-KZ1054CCZZ	7- 5	AB		C
RCILZ1008ACZZ	7- 6	AG		C
RCORF6632RCZZ	7- 7	AC		C
RCRSZ1001DCZZ	6- 467	AP		B
RCRSZ1003DCZZ	6- 474	AP		B
RCRSZ1004DCZZ	6- 473	AP		B
RCRSZ1005DCZZ	6- 472	AP		B
RCRSZ1031ACZZ	6- 549	AK		B
RCRSZ1043ACZZ	6- 454	AQ		B
RCRSZ1051ACZZ	6- 465	AR		B
RDENC1022ACZZ	2- 38	CB		E
//	4- 901	CB		E
RVR-Z2400QCN1	7- 8	AF		B
RVR-Z5300QCN1	7- 9	AE		B

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
〔S〕				
SPAKA2110ACZZ	5- 16	AK		D
SPAKA2111ACZZ	5- 17	AK		D
SPAKA2112ACZA	5- 18	AG		D
SPAKA2112ACZZ	5- 19	AG		D
SSAKA0001SCZZ	5- 24	AA		D
SSAKA0006WCZZ	5- 22	AB		D
SSAKA0019SCZZ	5- 25	AA		D
〔T〕				
TCADZ1075ACZA	5- 11	AC		D
TCADZ1075ACZZ	5- 11	AF		D
TCAUH1025ACZZ	2- 10	AB		C
TCAUS1054CCZZ	5- 28	AB		C
TiNSE1569ACZZ	5- 8	BP		D
TiNSE1570ACZZ	5- 6	BN		D
TiNSE1571ACZZ	5- 9	BA		D
TiNSE1622ACZZ	5- 7	BK		D
TiNSE1623ACZZ	5- 7	BK		D
TiNSE1624ACZZ	5- 7	BK		D
TiNSL1578ACZZ	5- 10	AP		D
TLABB1381ACZZ	5- 27	AC		D
TLABE1498ACZZ	5- 102	AH		D
TLABE1499ACZZ	5- 103	AH		D
TLABE1500ACZZ	5- 104	AH		D
TLABE1501ACZZ	5- 105	AH		D
TLABE1555ACZZ	5- 106	AH		D
TLABM1586ACZZ	1- 31	AT	N	C
〔U〕				
UBATN1004ACZZ	7- 10	AT		A
UBATN1008ACZZ	2- 49	BS		B
〃	5- 2	BS		B
UBNDA1008CCZZ	2- 48	AA		C
〃	5- 26	AA		C
〔V〕				
VCCSTQ1HL100D	6- 2	AA		C
〃	6- 4	AA		C
〃	6- 27	AA		C
〃	6- 28	AA		C
〃	6- 121	AA		C
〃	6- 122	AA		C
VCCSTQ1HL100J	6- 158	AA		C
〃	6- 159	AA		C
〃	6- 160	AA		C
〃	6- 161	AA		C
VCCSTQ1HL101J	6- 29	AA		C
〃	6- 30	AA		C
〃	6- 131	AA		C
〃	6- 133	AA		C
〃	6- 134	AA		C
〃	6- 147	AA		C
〃	6- 148	AA		C
〃	6- 149	AA		C
〃	6- 151	AA		C
〃	6- 152	AA		C
〃	6- 154	AA		C
〃	6- 164	AA		C
〃	6- 168	AA		C
VCCSTQ1HL150J	6- 25	AA		C
〃	6- 26	AA		C
VCCSTQ1HL220J	6- 22	AA		C
〃	6- 23	AA		C
〃	6- 119	AA		C
〃	6- 120	AA		C
VCCSTQ1HL271J	6- 130	AA		C
VCCSTQ1HL331J	6- 132	AA		C
〃	6- 171	AA		C
VCCSTQ1HL470J	6- 3	AA		C
〃	6- 5	AA		C
〃	6- 31	AA		C
〃	6- 156	AA		C
〃	6- 157	AA		C
〃	6- 162	AA		C
〃	6- 163	AA		C
〃	6- 170	AA		C
VCCSTQ1HL471J	6- 138	AA		C
〃	6- 139	AA		C
〃	6- 140	AA		C
〃	6- 141	AA		C
〃	6- 142	AA		C
〃	6- 143	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VCCSTQ1HL471J	6- 144	AA		C
〃	6- 145	AA		C
〃	6- 153	AA		C
〃	6- 155	AA		C
〃	6- 172	AA		C
VCEAEU1VW476M	7- 11	AB		C
VCEAJU0JW107M	7- 12	AB		C
VCEAJU1CW106M	7- 13	AB		C
VCEAJU1CW476M	7- 14	AB		C
VCEAJU1HW335M	7- 15	AB		C
VCKYPU1HB221K	7- 41	AB		C
VCKYPU1HB561K	7- 16	AA		C
VCKYTQ1EF104Z	6- 1	AA		C
〃	6- 8	AA		C
〃	6- 9	AA		C
〃	6- 19	AA		C
〃	6- 20	AA		C
〃	6- 21	AA		C
〃	6- 24	AA		C
〃	6- 32	AA		C
〃	6- 33	AA		C
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〃	6- 190	AA		C
〃	6- 195	AA		C
〃	6- 201	AA		C
VCKYTQ1HB102K	6- 10	AA		C
〃	6- 11	AA		C
〃	6- 12	AA		C
〃	6- 13	AA		C
〃	6- 14	AA		C
〃	6- 73	AA		C
〃	6- 74	AA		C
〃	6- 75	AA		C
〃	6- 76	AA		C
〃	6- 77	AA		C
〃	6- 78	AA		C
〃	6- 79	AA		C
〃	6- 80	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
VCKYTQ1HB102K	6- 81	AA		C	
〃	6- 82	AA		C	
〃	6- 83	AA		C	
〃	6- 84	AA		C	
〃	6- 85	AA		C	
〃	6- 86	AA		C	
〃	6- 87	AA		C	
〃	6- 88	AA		C	
〃	6- 89	AA		C	
〃	6- 90	AA		C	
〃	6- 91	AA		C	
〃	6- 93	AA		C	
〃	6- 94	AA		C	
〃	6- 95	AA		C	
〃	6- 96	AA		C	
〃	6- 106	AA		C	
〃	6- 109	AA		C	
〃	6- 112	AA		C	
〃	6- 165	AA		C	
〃	6- 166	AA		C	
〃	6- 180	AA		C	
〃	6- 181	AA		C	
〃	6- 182	AA		C	
〃	6- 183	AA		C	
〃	6- 197	AA		C	
〃	6- 198	AA		C	
〃	6- 199	AA		C	
〃	6- 200	AA		C	
〃	6- 202	AA		C	
VCKYTQ1HB103M	6- 6	AA		C	
〃	6- 7	AA		C	
〃	6- 51	AA		C	
〃	6- 52	AA		C	
〃	6- 53	AA		C	
〃	6- 54	AA		C	
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〃	6- 192	AA		C	
〃	6- 193	AA		C	
〃	6- 194	AA		C	
〃	6- 196	AA		C	
VCKYTQ1HB222K	6- 15	AA		C	
〃	6- 16	AA		C	
〃	6- 17	AA		C	
〃	6- 18	AA		C	
VHDAK03////-1	7- 17	AC		B	
VHDDA203////-1	7- 18	AC		B	
VHDDSS133HV-1	7- 19	AA		B	
VHiDS14C88M/1	6- 458	AM		B	
VHiDS14C89AM1	6- 462	AM		B	
〃	6- 464	AM		B	
VHiiR3M03A/-1	7- 20	AH		B	
VHiTM41464AZ1	6- 485	AV		B	
〃	6- 486	AV		B	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
VHiTM41464AZ1	6- 487	AV		B	
〃	6- 488	AV		B	
〃	6- 489	AV		B	
〃	6- 490	AV		B	
〃	6- 491	AV		B	
〃	6- 492	AV		B	
VHiT80C50AF-2	6- 461	AU		B	
VHi2464/AAB0B	6- 459	BF		B	
VHi514256AZT1	6- 478	BE		B	
〃	6- 479	BE		B	
〃	6- 480	BE		B	
〃	6- 481	BE		B	
VHi80C42G//-1	6- 449	AT		B	
VHi80386SX-20	6- 470	CP		B	
VHi82C455//-1	6- 495	BY		B	
VHPGL9ND2//-1	8- 2	AE		B	
VHPGL9NG2//-1	8- 3	AB		B	
VRD-RB2HY122J	7- 35	AA		C	
VRD-RC2EY000J	7- 21	AA		C	
VRD-RC2EY1R3J	7- 22	AA		C	
VRD-RC2EY102J	7- 23	AA		C	
VRD-RC2EY103J	7- 24	AA		C	
VRD-RC2EY122J	7- 25	AA		C	
VRD-RC2EY152J	7- 26	AA		C	
VRD-RC2EY153J	7- 27	AA		C	
VRD-RC2EY331J	7- 28	AA		C	
〃	8- 4	AA		C	
VRD-RC2EY332J	7- 29	AA		C	
VRD-RC2EY333J	7- 30	AA		C	
VRD-RC2EY391J	7- 31	AA		C	
VRD-RC2EY4R7J	7- 32	AA		C	
VRD-RC2EY472J	7- 33	AA		C	
VRD-RC2EY473J	7- 34	AA		C	
VRS-TS2AD000J	6- 239	AA		C	
〃	6- 240	AA		C	
〃	6- 241	AA		C	
〃	6- 275	AA		C	
VRS-TS2AD102J	6- 256	AA		C	
〃	6- 257	AA		C	
〃	6- 258	AA		C	
〃	6- 259	AA		C	
〃	6- 260	AA		C	
〃	6- 261	AA		C	
〃	6- 318	AA		C	
〃	6- 336	AA		C	
〃	6- 381	AA		C	
〃	6- 382	AA		C	
〃	6- 383	AA		C	
〃	6- 389	AA		C	
VRS-TS2AD103J	6- 285	AA		C	
〃	6- 352	AA		C	
〃	6- 400	AA		C	
〃	6- 401	AA		C	
〃	6- 402	AA		C	
〃	6- 403	AA		C	
〃	6- 404	AA		C	
〃	6- 405	AA		C	
〃	6- 406	AA		C	
〃	6- 407	AA		C	
VRS-TS2AD151J	6- 274	AA		C	
〃	6- 284	AA		C	
〃	6- 298	AA		C	
〃	6- 299	AA		C	
〃	6- 315	AA		C	
〃	6- 316	AA		C	
〃	6- 317	AA		C	
〃	6- 329	AA		C	
〃	6- 335	AA		C	
〃	6- 345	AA		C	
〃	6- 354	AA		C	
〃	6- 355	AA		C	
〃	6- 413	AA		C	
〃	6- 416	AA		C	
〃	6- 417	AA		C	
〃	6- 418	AA		C	
〃	6- 425	AA		C	
〃	6- 426	AA		C	
〃	6- 427	AA		C	
〃	6- 428	AA		C	
〃	6- 429	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
VRS-TS2AD151J	6- 430	AA		C	
〃	6- 432	AA		C	
〃	6- 434	AA		C	
〃	6- 435	AA		C	
〃	6- 436	AA		C	
〃	6- 437	AA		C	
〃	6- 438	AA		C	
VRS-TS2AD220J	6- 262	AA		C	
〃	6- 322	AA		C	
VRS-TS2AD222J	6- 326	AA		C	
〃	6- 327	AA		C	
〃	6- 328	AA		C	
VRS-TS2AD223J	6- 271	AA		C	
〃	6- 272	AA		C	
〃	6- 273	AA		C	
〃	6- 276	AA		C	
〃	6- 277	AA		C	
〃	6- 278	AA		C	
〃	6- 280	AA		C	
〃	6- 281	AA		C	
〃	6- 292	AA		C	
〃	6- 293	AA		C	
〃	6- 294	AA		C	
〃	6- 296	AA		C	
〃	6- 303	AA		C	
〃	6- 339	AA		C	
〃	6- 340	AA		C	
〃	6- 346	AA		C	
〃	6- 347	AA		C	
〃	6- 348	AA		C	
〃	6- 349	AA		C	
〃	6- 350	AA		C	
〃	6- 351	AA		C	
〃	6- 359	AA		C	
〃	6- 360	AA		C	
〃	6- 362	AA		C	
〃	6- 363	AA		C	
〃	6- 364	AA		C	
〃	6- 365	AA		C	
〃	6- 366	AA		C	
〃	6- 367	AA		C	
〃	6- 368	AA		C	
〃	6- 369	AA		C	
〃	6- 370	AA		C	
〃	6- 371	AA		C	
〃	6- 372	AA		C	
〃	6- 373	AA		C	
〃	6- 374	AA		C	
〃	6- 375	AA		C	
〃	6- 376	AA		C	
〃	6- 390	AA		C	
〃	6- 397	AA		C	
〃	6- 398	AA		C	
〃	6- 399	AA		C	
〃	6- 414	AA		C	
〃	6- 415	AA		C	
〃	6- 419	AA		C	
〃	6- 420	AA		C	
〃	6- 421	AA		C	
〃	6- 422	AA		C	
〃	6- 423	AA		C	
〃	6- 424	AA		C	
〃	6- 431	AA		C	
〃	6- 433	AA		C	
VRS-TS2AD225J	6- 297	AA		C	
VRS-TS2AD270J	6- 270	AA		C	
〃	6- 287	AA		C	
〃	6- 288	AA		C	
〃	6- 289	AA		C	
〃	6- 290	AA		C	
〃	6- 291	AA		C	
〃	6- 341	AA		C	
〃	6- 342	AA		C	
〃	6- 343	AA		C	
VRS-TS2AD330J	6- 282	AA		C	
〃	6- 283	AA		C	
〃	6- 286	AA		C	
〃	6- 295	AA		C	
〃	6- 319	AA		C	
〃	6- 320	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
VRS-TS2AD330J	6- 323	AA		C	
〃	6- 337	AA		C	
〃	6- 338	AA		C	
VRS-TS2AD331J	6- 377	AA		C	
〃	6- 378	AA		C	
〃	6- 379	AA		C	
〃	6- 380	AA		C	
〃	6- 384	AA		C	
〃	6- 385	AA		C	
〃	6- 386	AA		C	
〃	6- 387	AA		C	
〃	6- 388	AA		C	
〃	6- 391	AA		C	
〃	6- 392	AA		C	
〃	6- 393	AA		C	
〃	6- 394	AA		C	
〃	6- 395	AA		C	
〃	6- 396	AA		C	
〃	6- 408	AA		C	
〃	6- 409	AA		C	
〃	6- 410	AA		C	
〃	6- 411	AA		C	
〃	6- 412	AA		C	
VRS-TS2AD470J	6- 263	AA		C	
〃	6- 304	AA		C	
〃	6- 305	AA		C	
〃	6- 306	AA		C	
〃	6- 307	AA		C	
〃	6- 308	AA		C	
〃	6- 309	AA		C	
〃	6- 310	AA		C	
〃	6- 311	AA		C	
〃	6- 312	AA		C	
〃	6- 313	AA		C	
〃	6- 314	AA		C	
〃	6- 331	AA		C	
〃	6- 332	AA		C	
〃	6- 333	AA		C	
〃	6- 334	AA		C	
VRS-TS2AD472J	6- 264	AA		C	
〃	6- 265	AA		C	
〃	6- 266	AA		C	
〃	6- 267	AA		C	
〃	6- 268	AA		C	
〃	6- 269	AA		C	
〃	6- 344	AA		C	
VRS-TS2AD560J	6- 321	AA		C	
〃	6- 324	AA		C	
〃	6- 325	AA		C	
VRS-TS2AD562J	6- 330	AA		C	
〃	6- 353	AA		C	
〃	6- 356	AA		C	
〃	6- 357	AA		C	
〃	6- 358	AA		C	
VRS-TS2AD684J	6- 361	AA		C	
VRS-TS2AD750J	6- 300	AA		C	
〃	6- 301	AA		C	
〃	6- 302	AA		C	
VSDTA144-//-1	7- 36	AC		B	
VSDTC114Y//-1	7- 37	AC		B	
VS2SA937-R/-1	7- 38	AC		B	
VS2SB822-//-1	7- 39	AD		B	
VS2SC2021-RSC	7- 40	AF		B	
〔X〕					
XBBSC30P08000	2- 9	AA		C	
XBBSC30P30000	2- 11	AA		C	
XBBSC30W06000	1- 21	AA		C	
〃	2- 2	AA		C	
XBBSD30P05000	2- 39	AA		C	
〃	4- 4	AA		C	
XBBSF30P08000	2- 9	AA		C	
XBBSF30P30000	2- 11	AA		C	
XBBSF30W06000	1- 21	AA		C	
〃	2- 2	AA		C	
XBPBN30P10000	4- 8	AA		C	
XBPSC30P08000	2- 31	AA		C	
〃	6- 561	AA		C	
XBPSD30P06000	1- 26	AA		C	
XBPSD30P10000	1- 5	AA		C	
XBSSC30P06000	2- 6	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
XBSSF30P06000	2- 6	AA		C	
XNEBN30-24000	4- 6	AC		C	
XUPSD30P06000	1- 10	AA		C	
XUPSD30P08000	1- 6	AA		C	
//	2- 1	AA		C	
[0]					
0CFR562778-01	3- 1	AG		C	
0CFR562778-02	3- 2	AG		C	
0CFR562778-03	3- 3	AG		C	
0CFR562778-04	3- 4	AG		C	
0CFR562778-05	3- 5	AG		C	
0CFR562778-06	3- 6	AG		C	
0CFR562778-07	3- 7	AG		C	
0CFR562778-08	3- 8	AG		C	
0CFR562778-09	3- 9	AG		C	
0CFR562778-10	3- 10	AG		C	
0CFR562778-11	3- 11	AG		C	
0CFR562778-12	3- 12	AG		C	
0CFR562778-13	3- 13	AG		C	
0CFR562778-14	3- 14	AG		C	
0CFR562778-15	3- 15	AG		C	
0CFR562778-16	3- 16	AG		C	
0CFR562778-17	3- 17	AG		C	
0CFR562778-18	3- 18	AG		C	
0CFR562778-19	3- 19	AG		C	
0CFR562778-20	3- 20	AG		C	
0CFR562778-21	3- 21	AG		C	
0CFR562778-22	3- 22	AG		C	
0CFR562778-23	3- 23	AG		C	
0CFR562778-24	3- 24	AG		C	
0CFR562778-25	3- 25	AG		C	
0CFR562778-26	3- 26	AG		C	
0CFR562778-27	3- 27	AG		C	
0CFR562778-28	3- 28	AG		C	
0CFR562778-29	3- 29	AG		C	
0CFR562778-30	3- 30	AG		C	
0CFR562778-31	3- 31	AG		C	
0CFR562778-32	3- 32	AG		C	
0CFR562778-33	3- 33	AG		C	
0CFR562778-34	3- 34	AG		C	
0CFR562778-35	3- 35	AG		C	
0CFR562778-36	3- 36	AG		C	
0CFR562778-37	3- 37	AG		C	
0CFR562778-38	3- 38	AG		C	
0CFR562778-39	3- 39	AG		C	
0CFR562778-40	3- 40	AG		C	
0CFR562778-41	3- 41	AG		C	
0CFR562778-42	3- 42	AG		C	
0CFR562778-43	3- 43	AG		C	
0CFR562778-44	3- 44	AN		C	
0CFR562778-45	3- 45	AH		C	
0CFR562778-46	3- 46	AG		C	
0CFR562778-47	3- 47	AG		C	
0CFR562778-48	3- 48	AG		C	
0CFR562778-49	3- 49	AG		C	
0CFR562778-50	3- 50	AG		C	
0CFR562778-51	3- 51	AG		C	
0CFR562778-52	3- 52	AG		C	
0CFR562778-53	3- 53	AG		C	
0CFR562778-54	3- 54	AG		C	
0CFR562778-55	3- 55	AG		C	
0CFR562778-56	3- 56	AG		C	
0CFR562778-57	3- 58	AH		C	
0CFR562778-58	3- 59	AG		C	
0CFR562778-59	3- 60	AG		C	
0CFR562778-60	3- 61	AG		C	
0CFR562778-61	3- 62	AG		C	
0CFR562778-62	3- 63	AG		C	
0CFR562778-63	3- 64	AG		C	
0CFR562778-64	3- 65	AG		C	
0CFR562778-65	3- 66	AG		C	
0CFR562778-66	3- 67	AG		C	
0CFR562778-67	3- 68	AG		C	
0CFR562778-68	3- 69	AH		C	
0CFR562778-69	3- 70	AG		C	
0CFR562778-70	3- 71	AG		C	
0CFR562778-71	3- 72	AG		C	
0CFR562778-72	3- 73	AG		C	
0CFR562778-73	3- 74	AM		C	
0CFR562778-74	3- 75	AG		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0CFR562778-75	3- 76	AG		C	
0CFR562778-76	3- 77	AH		C	
0CFR562778-77	3- 78	AH		C	
0CFR562778-78	3- 79	AH		C	
0CFR562778-79	3- 80	AH		C	
0CFR562779-01	3- 1	AG		C	
0CFR562779-02	3- 2	AG		C	
0CFR562779-03	3- 3	AG		C	
0CFR562779-04	3- 4	AG		C	
0CFR562779-05	3- 5	AG		C	
0CFR562779-06	3- 6	AG		C	
0CFR562779-07	3- 7	AG		C	
0CFR562779-08	3- 8	AG		C	
0CFR562779-09	3- 9	AG		C	
0CFR562779-10	3- 10	AG		C	
0CFR562779-11	3- 11	AG		C	
0CFR562779-12	3- 12	AG		C	
0CFR562779-13	3- 13	AG		C	
0CFR562779-14	3- 14	AG		C	
0CFR562779-15	3- 15	AG		C	
0CFR562779-16	3- 16	AG		C	
0CFR562779-17	3- 17	AG		C	
0CFR562779-18	3- 18	AG		C	
0CFR562779-19	3- 19	AG		C	
0CFR562779-20	3- 20	AG		C	
0CFR562779-21	3- 21	AG		C	
0CFR562779-22	3- 22	AG		C	
0CFR562779-23	3- 23	AG		C	
0CFR562779-24	3- 24	AG		C	
0CFR562779-25	3- 25	AG		C	
0CFR562779-26	3- 26	AG		C	
0CFR562779-27	3- 27	AG		C	
0CFR562779-28	3- 28	AG		C	
0CFR562779-29	3- 29	AG		C	
0CFR562779-30	3- 30	AG		C	
0CFR562779-31	3- 31	AG		C	
0CFR562779-32	3- 32	AG		C	
0CFR562779-33	3- 33	AG		C	
0CFR562779-34	3- 34	AG		C	
0CFR562779-35	3- 35	AG		C	
0CFR562779-36	3- 36	AG		C	
0CFR562779-37	3- 37	AG		C	
0CFR562779-38	3- 38	AG		C	
0CFR562779-39	3- 39	AG		C	
0CFR562779-40	3- 40	AG		C	
0CFR562779-41	3- 41	AG		C	
0CFR562779-42	3- 42	AG		C	
0CFR562779-43	3- 43	AG		C	
0CFR562779-44	3- 44	AK		C	
0CFR562779-45	3- 45	AH		C	
0CFR562779-46	3- 46	AG		C	
0CFR562779-47	3- 47	AG		C	
0CFR562779-48	3- 48	AG		C	
0CFR562779-49	3- 49	AG		C	
0CFR562779-50	3- 50	AG		C	
0CFR562779-51	3- 51	AG		C	
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0CFR562779-56	3- 56	AG		C	
0CFR562779-57	3- 57	AG		C	
0CFR562779-58	3- 58	AH		C	
0CFR562779-59	3- 59	AG		C	
0CFR562779-60	3- 60	AG		C	
0CFR562779-61	3- 61	AG		C	
0CFR562779-62	3- 62	AG		C	
0CFR562779-63	3- 63	AG		C	
0CFR562779-64	3- 64	AG		C	
0CFR562779-65	3- 65	AG		C	
0CFR562779-66	3- 66	AG		C	
0CFR562779-67	3- 67	AG		C	
0CFR562779-68	3- 68	AG		C	
0CFR562779-69	3- 69	AH		C	
0CFR562779-70	3- 70	AG		C	
0CFR562779-71	3- 71	AG		C	
0CFR562779-72	3- 72	AG		C	
0CFR562779-73	3- 73	AG		C	
0CFR562779-74	3- 74	AM		C	
0CFR562779-75	3- 75	AG		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0CFR562779-76	3- 76	AG		C	
0CFR562779-77	3- 77	AH		C	
0CFR562779-78	3- 78	AH		C	
0CFR562779-79	3- 79	AH		C	
0CFR562779-80	3- 80	AH		C	
0CFR562780-01	3- 1	AG		C	
0CFR562780-02	3- 2	AG		C	
0CFR562780-03	3- 3	AG		C	
0CFR562780-04	3- 4	AG		C	
0CFR562780-05	3- 5	AG		C	
0CFR562780-06	3- 6	AG		C	
0CFR562780-07	3- 7	AG		C	
0CFR562780-08	3- 8	AG		C	
0CFR562780-09	3- 9	AG		C	
0CFR562780-10	3- 10	AG		C	
0CFR562780-11	3- 11	AG		C	
0CFR562780-12	3- 12	AG		C	
0CFR562780-13	3- 13	AG		C	
0CFR562780-14	3- 14	AG		C	
0CFR562780-15	3- 15	AG		C	
0CFR562780-16	3- 16	AG		C	
0CFR562780-17	3- 17	AG		C	
0CFR562780-18	3- 18	AG		C	
0CFR562780-19	3- 19	AG		C	
0CFR562780-20	3- 20	AG		C	
0CFR562780-21	3- 21	AG		C	
0CFR562780-22	3- 22	AG		C	
0CFR562780-23	3- 23	AG		C	
0CFR562780-25	3- 25	AG		C	
0CFR562780-26	3- 26	AG		C	
0CFR562780-27	3- 27	AG		C	
0CFR562780-28	3- 28	AG		C	
0CFR562780-29	3- 29	AG		C	
0CFR562780-30	3- 30	AG		C	
0CFR562780-31	3- 31	AG		C	
0CFR562780-32	3- 32	AG		C	
0CFR562780-33	3- 33	AG		C	
0CFR562780-34	3- 34	AG		C	
0CFR562780-35	3- 35	AG		C	
0CFR562780-36	3- 36	AG		C	
0CFR562780-37	3- 37	AG		C	
0CFR562780-38	3- 38	AG		C	
0CFR562780-39	3- 39	AG		C	
0CFR562780-40	3- 40	AG		C	
0CFR562780-41	3- 41	AG		C	
0CFR562780-42	3- 42	AG		C	
0CFR562780-43	3- 43	AG		C	
0CFR562780-44	3- 44	AK		C	
0CFR562780-45	3- 45	AH		C	
0CFR562780-46	3- 46	AG		C	
0CFR562780-47	3- 47	AG		C	
0CFR562780-48	3- 48	AG		C	
0CFR562780-49	3- 49	AG		C	
0CFR562780-50	3- 50	AG		C	
0CFR562780-51	3- 51	AG		C	
0CFR562780-52	3- 52	AG		C	
0CFR562780-53	3- 53	AG		C	
0CFR562780-54	3- 54	AG		C	
0CFR562780-55	3- 55	AG		C	
0CFR562780-56	3- 56	AG		C	
0CFR562780-57	3- 57	AG		C	
0CFR562780-58	3- 58	AH		C	
0CFR562780-59	3- 59	AG		C	
0CFR562780-60	3- 60	AG		C	
0CFR562780-61	3- 61	AG		C	
0CFR562780-62	3- 62	AG		C	
0CFR562780-63	3- 63	AG		C	
0CFR562780-64	3- 64	AG		C	
0CFR562780-65	3- 65	AG		C	
0CFR562780-66	3- 66	AG		C	
0CFR562780-67	3- 67	AG		C	
0CFR562780-68	3- 68	AG		C	
0CFR562780-69	3- 69	AH		C	
0CFR562780-70	3- 70	AG		C	
0CFR562780-71	3- 71	AG		C	
0CFR562780-72	3- 72	AG		C	
0CFR562780-73	3- 73	AG		C	
0CFR562780-74	3- 74	AM		C	
0CFR562780-75	3- 75	AG		C	
0CFR562780-76	3- 76	AG		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0CFR562780-77	3- 77	AH		C	
0CFR562780-78	3- 78	AH		C	
0CFR562780-79	3- 79	AH		C	
0CFR562780-80	3- 80	AH		C	
0CF56A185F///	3- 104	AA		C	
0CF56B044A///	3- 106	AP		C	
0CF56B044B///	3- 106	AP		C	
0CF56B044C///	3- 106	AP		C	
0CF56B064A///	3- 108	AH		C	
0CF56H103A///	3- 107	BB		E	
0CF56H103B///	3- 107	BB		E	
0CF560088B///	3- 112	AA		C	
0CF560940A///	3- 110	AA		C	
0CF561565A///	3- 111	AA		C	
0CF564965C///	3- 113	AA		C	
0CF565524B///	3- 109	AB		C	
0CF565665A///	3- 105	AB		C	
0CF567664C///	3- 101	AA		C	
0CF567664D///	3- 103	AA		C	
0CF567955A///	3- 102	AA		C	
0CGPXT2APJACK	4- 3	AX		C	
0CGPXT2B1S2//	4- 1	AK		C	
0CGPXT2CNB///	4- 9	AX		C	
0CGPXT2FAN///	4- 7	BK		C	
0CGPXT2F2////	4- 5	AX		A	
0CGPXT2SW1///	4- 2	AZ		B	
0CGPXT2TH////	4- 10	BB		B	
0ii2211348002	6- 222	AD		B	
//	6- 223	AD		B	
0ii2211348005	6- 255	AH		C	
0ii2220168001	6- 550	AN		B	
0ii2220986002	6- 522	AE		B	
0ii2221069002	6- 527	AE		B	
0ii2221092003	6- 460	AG		B	
//	6- 493	AG		B	
//	6- 494	AG		B	
//	6- 498	AG		B	
//	6- 540	AG		B	
//	6- 541	AG		B	
0ii2221098002	6- 453	AG		B	
0ii2221099002	6- 512	AF		B	
//	6- 513	AF		B	
//	6- 516	AF		B	
//	6- 517	AF		B	
//	6- 528	AF		B	
0ii2221287106	6- 279	AA		C	
0ii2221301007	6- 98	AH		C	
//	6- 99	AH		C	
//	6- 100	AH		C	
//	6- 101	AH		C	
//	6- 102	AH		C	
//	6- 103	AH		C	
//	6- 104	AH		C	
//	6- 105	AH		C	
//	6- 108	AH		C	
//	6- 111	AH		C	
//	6- 114	AH		C	
//	6- 124	AH		C	
0ii2221349002	6- 543	AG		B	
0ii2247493002	6- 456	AG		B	
//	6- 457	AG		B	
//	6- 535	AG		B	
//	6- 536	AG		B	
0ii2247872005	6- 537	AE		B	
//	6- 538	AE		B	
0ii2247914003	6- 451	AE		B	
0ii2248006001	6- 551	AF		C	
//	6- 552	AF		C	
0ii2248122002	6- 525	AH		B	
0ii2248301010	6- 443	AM		B	
0ii2248301011	6- 444	AM		B	
0ii2248301042	6- 439	AN		B	
//	6- 440	AN		B	
//	6- 441	AN		B	
//	6- 442	AN		B	
0ii2248342022	6- 227	AG		C	
//	6- 229	AG		C	
//	6- 230	AG		C	
//	6- 231	AG		C	
//	6- 232	AG		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0ii2248342022	6- 233	AG		C	
0ii2248429002	6- 554	AX		C	
//	6- 555	AX		C	
0ii2248463001	6- 224	AE		B	
//	6- 225	AE		B	
//	6- 226	AE		B	
//	6- 228	AE		B	
//	6- 235	AE		B	
//	6- 236	AE		B	
//	6- 237	AE		B	
//	6- 238	AE		B	
0ii2248472005	6- 448	BA		B	
0ii2248472007	6- 447	BA		B	
0ii2248478002	6- 211	AE		C	
//	6- 212	AE		C	
//	6- 213	AE		C	
//	6- 214	AE		C	
//	6- 215	AE		C	
//	6- 216	AE		C	
//	6- 217	AE		C	
//	6- 218	AE		C	
//	6- 219	AE		C	
//	6- 220	AE		C	
//	6- 221	AE		C	
0ii2548157002	6- 499	AH		B	
//	6- 503	AH		B	
//	6- 510	AH		B	
0ii2548158002	6- 497	AE		B	
//	6- 520	AE		B	
0ii2548188001	6- 455	BG		B	
0ii2548218002	6- 476	AH		B	
//	6- 515	AH		B	
//	6- 521	AH		B	
//	6- 542	AH		B	
//	6- 546	AH		B	
//	6- 548	AH		B	
0ii2548254002	6- 529	AE		B	
0ii2548257002	6- 514	AE		B	
//	6- 523	AE		B	
0ii2548269002	6- 466	AQ		B	
0ii2548278001	6- 203	AF		B	
//	6- 204	AF		B	
//	6- 205	AF		B	
//	6- 206	AF		B	
//	6- 207	AF		B	
//	6- 208	AF		B	
//	6- 209	AF		B	
//	6- 210	AF		B	
0ii2548289002	6- 483	AM		B	
//	6- 505	AM		B	
//	6- 506	AM		B	
//	6- 507	AM		B	
//	6- 544	AM		B	
0ii2548291002	6- 469	AR		B	
//	6- 475	AR		B	
//	6- 482	AR		B	
//	6- 500	AR		B	
//	6- 501	AR		B	
//	6- 502	AR		B	
//	6- 504	AR		B	
0ii2548293002	6- 518	AH		B	
0ii2548360002	6- 452	BH		B	
0ii2548377002	6- 450	AG		B	
0ii2548382002	6- 508	AH		B	
//	6- 533	AH		B	
0ii2548383002	6- 539	AK		B	
0ii2548403001	6- 468	BM		B	
0ii2548403005	6- 463	BX	N	B	
0ii2548407001	6- 524	AK		B	
//	6- 547	AK		B	
0ii2548411002	6- 532	AK		B	
0ii2548415001	6- 484	AH		B	
//	6- 531	AH		B	
//	6- 534	AH		B	
0ii2548417001	6- 496	BN		B	
0ii2548451001	6- 519	AG		B	
//	6- 526	AG		B	
0ii2548453001	6- 509	AG		B	
//	6- 511	AG		B	
//	6- 530	AG		B	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
0ii2548453001	6- 545	AG		B	
0ii2548490001	6- 471	AF		B	
0ii2560807004	2- 25	**	N	E	
0ii2560825004	5- 21	AY	N	D	
0ii2560921001	5- 20	AK		D	
0ii2560922001	5- 14	AL		D	
0ii2560923001	5- 15	AM		D	
0ii2560924002	6- 477	BA	N	B	

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